

U.S. Army Institute for Water Resources Navigation Analysis Program

The U.S. Army Corps of Engineers Institute for Water Resources (CEWRC-IWR) is part of the Water Resources Support Center in Alexandria, VA. The Institute was created in 1969 to analyze and anticipate changing water resources management conditions, and to develop planning methods and analytical tools to address economic, social, institutional and environmental needs in water resources planning and policy. Since its inception, IWR has been a leader in the development of tools and strategies needed to plan and execute the Corps water resources program.

The Institute's navigation analysis program supports Headquarters, U.S. Army Corps of Engineers (primarily the Directorate of Civil Works) and Corps field offices by providing analytical capability for the system-wide evaluation of navigation-related investment decisions. Primary mission areas include the development and use of analytical tools and transportation models; economic forecasting; investment and cost recovery analysis; economic evaluation of navigation projects; analysis of O&M and dredging expenditures; regional economic analysis; and the development and use of performance measurement techniques. The program encompasses the following mission components:

- Transportation Systems
- National and Special Studies
- National Level Technical Support to HQUSACE
- Technical Assistance to Field
- Investment Analysis and User Board Support

IWR's key navigation activities include: technical support and analyses for the *Inland Waterways Users Board*; formulation of commodity and traffic/fleet forecasts; development of vessel operating costs for inland and ocean vessels for district planning studies; maintenance and use of transportation evaluation models; development and testing of methods for improving multiport and other navigation analyses; administration and analysis of the *O&M Navigation Cost Recovery Database System (NCRDBS)*; development of the annual *O&M Analysis of Dredging Costs and Quantities*; support to water transportation R&D activities of the *Transportation Research Board*; development and application of risk-based analysis tools for deep draft navigation planning; and technical assistance for navigation and regional development impact studies to Corps field offices and other Army elements, including *Base Realignment and Closure (BRAC)* activities.

For further information related to the program, please contact:

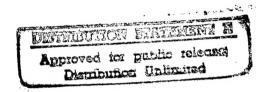
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NAVIGATION OPERATION AND MAINTENANCE: Expenditures for Harbors and Waterways Fiscal Year 1996



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PREFACE

Overview

This report documents the actual Fiscal Year FY 1996 expenditures for the operation and maintenance (O&M) of U.S. Army Corps of Engineers navigation projects. These costs were developed using the Corps Navigation Cost Recovery Database System (NCRDBS). The NCRDBS was established by the Headquarters, U.S. Army Corps of Engineers (HQUSACE) in 1981 to help evaluate proposed navigation cost recovery legislation. The NCRDBS contains operation and maintenance expenditures dating from Fiscal Year FY 1977 for commercial navigation, other and joint purposes for all projects with navigation as an authorized purpose.

The database is organized into three components: deep draft navigation projects subject to the Harbor Maintenance Tax (HMT); shallow draft harbor projects subject to the Inland Waterway Fuel Tax; and shallow draft projects not subject to the fuel tax. Navigation O&M costs for deep draft projects and shallow draft harbors not subject to the fuel tax are recovered from the Harbor Maintenance Trust Fund (HMTF).

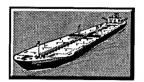
The NCRDBS is updated annually over a cycle of three increments: (1) "preliminary" O&M cost estimates for the next fiscal year based on the Corps initial budget submission to the Office of Management and Budget (OMB); (2) actual prior year expenditures, and (3) "final" estimated costs for the next fiscal year in connection with the release of the President's budget.

As part of this annual cycle, the Corps Institute for Water Resources (IWR) coordinates the aggregation of prior year O&M expenditures with HQUSACE and all District and Division Construction-Operations offices at the beginning of each fiscal year. Estimates of future year O&M expenditures are initially developed based on the Corps budget request to OMB, and are finalized upon release of the President's budget request.

IWR maintains, updates, analyzes and reports on the NCRDBS for HQUSACE, and actively uses it on a variety of navigation-related studies. The data is used annually by both OMB and Congress in the preparation of the Corps budget, and is also used by the Civil Works Policy Division and U.S. Customs Service to implement and administer the Harbor Maintenance Tax established by Water Resources Development Act (WRDA) of 1986. The U.S. Department

of Agriculture has used the inland waterway portion of the NCRDBS in several Congressionally mandated studies of government support to agriculture.

The NCRDBS has also been employed by the Corps in several of its national studies that examined navigation O&M. These include work on the potential recovery of inland waterway O&M costs, the National Dredging Needs Study of Ports and Harbors, and the recently completed Dredged Material Disposal Policy study. Currently, the O&M costs are being used by the Operations, Construction and Readiness Division's Cost Reduction Task Force in the development of performance-based discriminators for the evaluation of Corps navigation projects.



ACKNOWLEDGMENTS

The 1996 update of the NCRDBS and this report were prepared by Mr. Jack Lane and Mrs. Margaruiette Olson of IWR's Navigation Analysis Division. Mr. Lane and Mrs. Olson are responsible for maintaining the database and generating its various annual reports. Some of the analysis herein applies and extends the work of Mr. William Holliday of IWR's Policy and Special Studies Division in connection with the Section 216 Dredged Material Disposal Policy Study. This report was developed under the direction of Mr. Robert Pietrowsky, Chief of the Institute's Navigation Analysis Division.

The NCRDBS outputs are the direct result of the COEMIS data provided by Mr. David Harmon of the HQUSACE Operations, Construction and Readiness Division (CECW-O) and Mrs. Linda Stoutenburgh of the USACE Finance Center. Project specific data on 1996 O&M expenditures were provided by representatives from Division and District Construction-Operations offices throughout the nation.

HQUSACE policy guidance and oversight of the NCRDBS was provided by Mr. DuWayne Koch of the Civil Works Policy Division and Mr. Barry Holliday, Chief of CECW-O's Dredging and Navigation Branch.

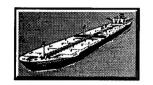


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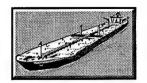
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EXECUTIVE SUMMARY

FY 1996 Results

In FY 1996 total navigation O&M expenditures for waterways and harbors reached a record \$1,012 million, of which \$536 million or 53 percent was for harbors and \$476 million or 47 percent was for waterways and (Table 1). The FY 1996 total represented a four percent increase over FY 1995 and a one percent increase from FY 1994 in actual dollars. However, this net increase in actual spending can be traced to the growth in O&M expenditures for deep and shallow draft (non-fuel tax) harbors, which mask a retreat from the record totals of inland waterways O&M posted in FY 1994-1995. Waterways O&M costs declined by \$11 million in FY 1996 compared to the average for the two previous years, but were still well above the \$441 million average for FY 1991-1995. (see Section 2.2 for additional detail).

The four percent increase in FY 1996's total navigation O&M expenditures compared to FY 1995 stems from a ten percent increase in deep draft navigation costs and 17.7 percent increase in shallow draft harbor expenditures, while O&M spending on the inland waterways fell by almost three percent. The deep draft navigation O&M actuals for FY 1996 (\$461.7 million) represents the highest amount recorded for this category, while the \$74.4 million for shallow draft harbors stands third to the spending totals of FY 1994 (\$82.9 million) and FY 1988 (\$77.3 million).

FY 1996 actual total navigation costs were about \$27 million below the estimate in the President's budget of \$1,039 million as all three project types shared in the cost savings. (Table 1). Waterways were below estimate by \$16 million, deep draft harbors by \$2 million, and shallow draft harbors by approximately \$9 million.

Total navigation O&M expenditures (in actual dollars) have steadily grown over the last twenty years, with the FY 1996 costs representing a 134 percent increase or \$579 million over the FY 1977 total (Figure 1). This overall gain is the result of deep draft navigation O&M costs increasing by 115 percent, shallow draft harbor expenditures growing by 140 percent, and inland waterway O&M spending increasing by 154 percent since FY 1977. (Section 2.2.1).

Within this overall growth there has also been a gradual shift of the relative spending share from deep draft harbors to inland waterways (Figure 1). Navigation O&M outlays for deep draft harbors exceeded those for inland waterways O&M for every year between 1977 and

SUMMARY FOR HARBORS AND WATERWAYS (FY 1996 ACTUAL AND ESTIMATED COSTS AND SELECTED HISTORICAL DATA) NAVIGATION O&M EXPENDITURES

214,669 436,277 418,893 461,722 463,693 346,324 314,784 377,864 30,925 82,920 63,234 74,264 83,340 56,974 46,316 67,631 245,594 519,196 482,126 535,986 547,033 403,297 361,100 446,495 433,304 1,000,759 971,871 1,011,946 1,039,421 752,499 626,659 432,743	NAVIGATION		ACTUALS (2 (\$000)		PRES. BUDGET	¥	ANNUAL AVERAGES (\$000)	ES (\$000)	
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1,033,191 1,103,379 959,564 1,011,946 1,033,421 957,413 957,329 958,497	NAVIGATION TOTAL									
	(CONSTANT 1996 \$)	1,033,191		959.564	1,011,946	1.039.421	974.413	960.329	988.497	988.238

SOURCE: Actual and estimated amounts from the Navigation Cost Recovery Data Base System (NCRDBS), USACE, Institute for Water Resources; annual averages from IWR-N staff calculations; 1996 constant dollar amounts based on use of Dredging (Inland Waterways), EM1110-2-1304.

Figure 1
Corps of Engineers Navigation O&M Expenditures
(Actual \$'s) - Historical

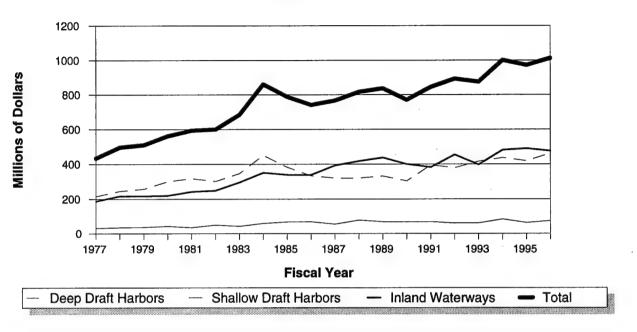
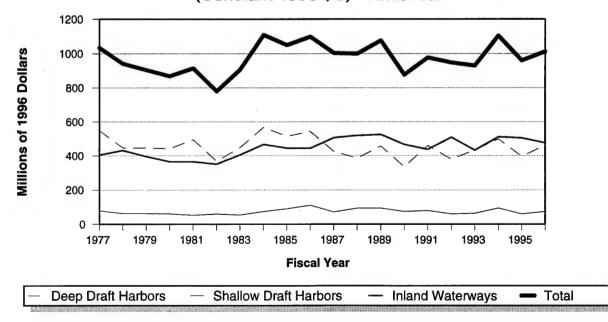


Figure 2

Corps of Engineers Navigation O&M Expenditures
(Constant 1996 \$'s) - Historical



1985. However, beginning in 1986, O&M costs on the inland waterways have exceeded spending for deep draft harbor projects for all but one year (1993).

The higher costs of waterways for the last ten years and their greater relative share of navigation O & M expenditures can be partially attributed to major rehabilitation, major maintenance, and new waterway projects. A comparison of costs for specific waterways in 1983 and 1989 shows there were six waterways with increases of greater than \$10 million and five with increases of \$3 to \$8 million. For the Upper Mississippi, Ohio, and Illinois major rehabilitation comprised one-half or more of the cost increase. Starting in FY 1993 new major rehabilitation projects were funded under the Construction General appropriation, and the overall cost of continuing major rehabilitation funded under O & M began to decline as projects were completed.

The completion of new waterway projects has contributed to the growth of inland navigation O&M costs. In FY 1989 navigation O&M costs for the Tennessee - Tombigbee Waterway cost \$13.7 million more than in FY 1983 and costs for the Red River Waterway had increased by \$3.1 million over the same period. By FY 1996 the navigation O & M costs for the two new projects totaled almost \$23 million.

Major maintenance costs on the waterways, which began to rise substantially after 1985, especially on the Upper Mississippi and Illinois, are a reflection of aging facilities. By the year 2000 about 40 percent of inland waterway lock chambers will have exceeded their 50 year design lives, including many heavily used locks on the Upper Mississippi and Illinois Rivers. Major maintenance costs are expected to reach a fifteen year total of about \$350 million by the year 2000.

When total navigation O&M expenditures over the period of analysis are examined in constant (1996) dollars, quite a different picture emerges (Figure 2). In constant dollars total average annual navigation O&M costs for the last ten years (FY 1987-1996) are only three percent higher than the first ten years; the FY 1996 navigation O&M total of \$1,012 million is only four percent above the average annual spending of \$974 million of the FY 1977-1996 period.

In 1996 dollars, overall navigation O&M spending has exceeded the \$1 billion level eight times over the twenty year period of record. Five of those years occurred between FY 1984 and FY 1989, with the highest total being \$1,108 million in 1984. In fact, in real terms, the FY 1996 navigation O&M total is approximately equal to the FY 1977 amount of \$1,033 million, with the major difference being the shift in relative spending from deep draft O&M to O&M for inland waterways, as discussed above. (Section 2.2.2).

In FY 1996 the navigation O&M costs subject to recovery from the HMTF reached a record \$536 million, up by 11 percent from FY 1995. This increase continues the general trend of growth reflected over the last ten years, with the yearly average recoverable costs for the period FY 1991-1995 (\$475.7 million) representing a 22 percent increase over the \$388.4 million average during the previous five years (FY 1986-1990). This growth has been totally within the deep draft navigation category: O&M expenditures for deep draft harbors for the period FY 1991-1995 averaged \$408.6 million, up 27 percent from the \$321.4 yearly average during FY 1986-1990. In

contrast, the average annual shallow draft O&M expenditures has remained at approximately \$67 million over the last ten years. (Section 2.2.3)

Expenditures in FY 1996 for the ten highest cost projects accounted for a 35 percent share of deep draft projects and 26 percent of shallow draft projects (Sections 2.3 and 2.4). Over the past six years the relative share of costs for the ten most expensive deep draft harbors and waterways has declined about seven percentage points. Deep and shallow draft projects in ten states represented about 70 percent of the harbor costs. (Section 2.5).

FY 1996 expenditures for the ten-highest cost waterways were almost \$352 million or almost three-fourths of the total for all fuel-taxed waterways (Section 2.6). The most expensive was the Upper Mississippi at \$89 million, followed by the Ohio River, Lower Mississippi River, and the Gulf Intracoastal (GIWW), costing \$57 to 36 million. There has been a steady decline from 81 to 74 percent in the share of total waterway O&M costs for the ten highest cost waterways over the FY 1991-96 period, in part due to the relative stability in costs for many of these waterways (Section 2.6).

Navigation project performance measures were generated based on each projects annual average O&M for the period FY 1977-94 and recent waterborne traffic activity (FY 1992-94). The overall deep draft and shallow draft project portfolios averaged about 16.5 cents and 46.5 cents per ton, respectively, in terms of annual O&M costs per ton of waterborne commerce per project. As a group, the deep draft projects averaged approximately \$405.5 million in O&M costs per year, with almost eighty projects averaging more than \$1 million O&M per year. The shallow draft group tends to possess lower O&M and traffic levels and also less frequent O&M. The shallow draft the group averaged \$57.4 million in average annual O&M, or about \$140,000 per project (Section 2.7).

Performance on the inland waterways system is not directly comparable to ports and harbors because O&M costs are aggregated by waterway segment and traffic data is measured in ton-miles as a more meaningful utilization measure. The overall cost per ton-mile for the inland waterway segments is 0.16 cents, with the highest cost waterways having very low to moderate O&M costs per ton-mile (Section 2.7).

Organization of Report

The remainder of this report is organized into two chapters consisting of text and summary tables followed by a series of tabs which include the NCRDBS tables of navigation O&M expenditures for FY 1996. Chapter I consists of background material on the NCRDBS, including a brief history and description of the database, its intended purpose, how the various O&M cost reports are organized, what O&M costs are captured by the system, and how these O&M costs are allocated to navigation.

Chapter II presents a discussion and overview of the results for 1996, focusing on the "actual" expenditures for navigation O&M. Previous NCRDBS results dating from 1977 are also presented. The 1996 NCRDBS tables are included in **Appendices A-H** while **Appendices I-J**

- match project O&M expenditures and waterborne commerce data.
- **Appendix A** Table 1D: Deep Draft Navigation Projects, Navigation Cost Recovery Analysis by Segment, O&M Expenditures for FY 1996 (Actual).
- Appendix B Table 21S: Shallow Draft Navigation Projects Not Subject to the Inland Waterway Fuel Tax, Navigation Cost Recovery Analysis by Segment, O&M Expenditures for FY 1996 (Actual).
- Appendix C Table 11S: Shallow Draft Navigation Projects Subject to the Inland Waterway Fuel Tax, Analysis by Waterway Segment, O&M Expenditures for FY 1996 (Actual).
- **Appendix D** Table 1D: Deep Draft Navigation Projects, Navigation Cost Recovery Analysis by State, O&M Expenditures for FY 1996 (**Actual**).
- Appendix E Table 21S: Shallow Draft Navigation Projects Not Subject to the Inland Waterway Fuel Tax, Navigation Cost Recovery Analysis by State, O&M Expenditures for FY 1996 (Actual).
- **Appendix F** Table 1D: Deep Draft Navigation Projects, Navigation Cost Recovery Analysis by Segment, O&M Expenditures for FY 1996 (Estimated President's Budget).
- Appendix G Table 21S: Shallow Draft Navigation Projects Not Subject to the Inland Waterway Fuel Tax, Navigation Cost Recovery Analysis by Segment, O&M Expenditures for FY 1996 (Estimated President's Budget).
- Appendix H Table 11S: Shallow Draft Navigation Projects Subject to the Inland Waterway Fuel Tax, Analysis by Waterway Segment, O&M Expenditures for FY 1996 (Estimated President's Budget).
- **Appendix I -** Deep Draft Navigation Projects Actual and Average O&M Expenditures, Waterborne Commerce and Average Annual Tonnages, Annual O&M Costs per Ton of Commerce.
- Appendix J Shallow Draft Navigation Projects Not Subject to the Inland Waterway Fuel Tax, Actual and Average O&M Expenditures, Waterborne Commerce and Average Annual Tonnages, Annual O&M Costs per Ton of Commerce.
- **Appendix K** -Shallow Draft Navigation Projects <u>Subject to the Inland Waterway Fuel Tax</u>, Analysis by Segment, O&M Expenditures, Average ton-Miles per year, Annual O&M Cost per Ton-Miles per year.

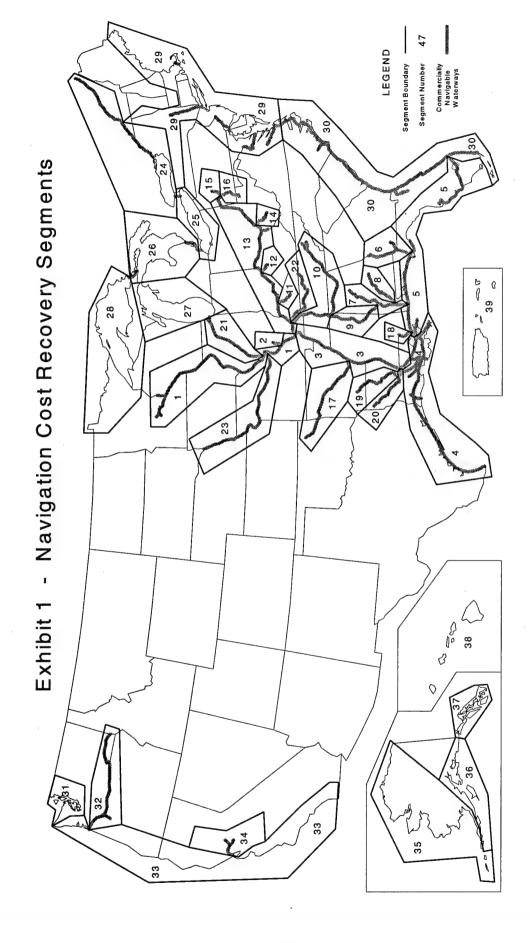
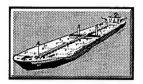


Exhibit 1 (Continued) Navigation Segment Listing

Name	Illinois Waterway	Cumberland River	River	Itario	Ф	ron	chigan	perior	North Atlantic Coast	South Atlantic Coast	puno	Columbia River System (Columbia Snake River)	past	San Francisco Bay Area (Sacramento)	aska	Alaska	Southeastern Alaska (Juneau, AK)	Hawaiian Islands	an	acific
1	Illinois W	Cumberl	Missouri River	Lake Ontario	Lake Erie	Lake Huron	Lake Michigan	Lake Superior	North At	South At	Puget Sound	Columbi	West Coast	San Frai	North Alaska	Central Alaska	Southea	Hawaiia	Caribbean	Other Pacific
Segment	21	22	23	24	25	56	27	28	59	30	31	32	33	34	35	36	37	38	39	40
Name	Upper Mississippi River	Kaskaskia River	Lower Mississippi River	West Gulf (GIWW-West)	East Gulf (GIWW-East)	Apalachicola, Chattahoochee, & Flint Rivers	Black Warrior River	Alabama-Coosa Rivers	Tennessee-Tombigbee River	Tennessee River	Green and Barren Rivers	Kentucky River	Ohio River	Kanawha River	Allegheny River	Monongahela River	Arkansas and White River	Pearl River	Ouachita and Black River	Red River
Segment	_	7	ო	4	ည	9	7	ω	თ	9	=	12	13	4	15	16	17	18	19	20



CHAPTER I - INTRODUCTION

1.1 Background

The Navigation Cost Recovery Database System (NCRDBS) was developed by the Headquarters, U.S. Army Corps of Engineers (HQUSACE) Civil Works Office of Policy for the purpose of analyzing proposed navigation cost recovery legislation. The data base was initially established early in 1981 in conjunction with legislation proposed in Administration supported bills: S. 809 and H.R. 2959 for deep-draft projects and S. 810 and H.R. 2962 for shallow draft projects. These bills defined the scope of cost recovery to focus on projects which are for commercial navigation purposes.

The NCRDBS currently contains operation and maintenance expenditures dating from Fiscal Year (FY) 1977 for all Corps projects with commercial navigation as an authorized purpose. The database is updated annually on a fiscal year basis over a cycle of three increments:

- (a) "Preliminary" O&M cost estimates are developed for the next budget year based on the Corps initial submission to the Office of Management and Budget (OMB);
- (b) "Actual" O&M expenditures are compiled for the prior fiscal year; and,
- (c) "Final" O&M estimated costs are documented for the next fiscal year in connection with the annual release of the President's budget request (these estimates replace the preliminary O&M estimates described above).

As an example of this annual cycle, the latest update began with IWR's development of the "preliminary" FY 1998 estimates in the fall of 1996. This estimate was based on the Corps initial submission of its FY 1998 budget request to OMB. Next, in the first quarter of FY 1997, when the "actual" O&M expenditures for FY 1996 were available, IWR completed the FY 1996 O&M "actual" report (these are the expenditures documented herein). Finally, upon release of the President's FY 1998 budget, the "final" estimated O&M costs for FY 1998 will be compiled to replace the "preliminary" estimates within the NCRDBS.

Ultimately, the final estimated and actual O&M expenditures for a given fiscal year are documented together in NCRDBS reports for that year. Thus, this report contains tables displaying the final estimates based on the FY 1996 President's budget(Appendices F, G, and H) along with the actual navigation O&M expenditures for FY 1996 (Appendices A-E).

1.2 Sources of Funds

All Corps O&M expenditures are authorized and appropriated by Congressional action. The three categories of appropriations of interest to the NCRDBS are as follows (prefixed by the Corps funding citations):

- o 96x3123 Operations and Maintenance, General
- o 96x3112 Flood Control, Mississippi River and Tributaries
- o 96x5125 Maintenance and Operation of Dams & Other Improvements of Navigable Waters

Most NCRDBS costs (approximately 90 percent) are funded under the 96x3123 appropriations category. This category funds navigation projects in coastal and Great Lakes waters and inland waterways. The NCRDBS routinely segregates the O&M expenditures into three components:

- o Deep draft projects subject to cost recovery from the Harbor Maintenance Trust Fund;
- o Shallow draft projects subject to the inland waterway fuel tax; and,
- o Shallow draft projects not subject to the fuel tax.

The traditional distinction between shallow and deep draft waterway and channel projects is fourteen feet. Projects which have a depth of fourteen feet or less are considered shallow draft; those greater than fourteen feet are considered deep draft. An exception to the depth definition is for a project with an authorized depth greater than fourteen feet, but only at the open water entrance channel for access to a channel of fourteen feet or less. Such a project is treated as a shallow draft project.

1.3 Navigation Cost Recovery Database Reports

The NCRDBS is a menu-driven, online query/update and report system. It generates a series of three reports which correspond to the navigation project categories described in Section 1.3 above. The O&M cost report for the deep draft category of projects is known as Table 1D, while O&M costs for the shallow draft project categories are displayed in tables designated as 11S and 21S, for fuel tax and non-fuel tax projects, respectively.

Both the 1D table for deep draft projects and the 21S table for shallow draft projects not subject to the fuel tax are used for cost recovery purposes. These tables encompass those Corps projects whose maintenance costs are initially funded by Federal general revenues and reimbursed by the Harbor Maintenance Trust Fund (HMTF). The Harbor Maintenance Tax (HMT) was authorized under Sections 1401 and 1402 of the Water Resources Development Act

(WRDA) of 1986, Public Law 99-662. This law imposed a fee on the value of commercial cargo loaded (export and domestic) or unloaded (imports) and the ticket price of passenger vessels at ports which have had federal expenditures for construction, operation or maintenance made on their behalf since 1977. As amended, the law now recovers 100 percent of the O&M expenditures made by the Corps of Engineers at Federally maintained channels and harbors at maritime, Great Lakes and inland ports.

In 1988 the Executive Branch determined that collection of the HMT would be administratively and economically prohibitive at the shallow draft ports and harbors (coastal and inland) subject to the tax because of the exemptions in the law, and the low levels of taxable cargo at these areas. Collection of the HMT is currently limited to deep draft ports having navigation expenditures since 1977. Therefore, the O&M expenditures for the shallow draft projects appearing on Table 21S, although reimbursed by the Harbor Maintenance Trust Fund, are not directly recovered from collection of the tax at these shallow draft harbors at this time.

Cargo shipped on waterways subject to the Inland Waterways Fuel Tax (Public Law 95-502) is not subject to the HMT. The Corps operation and maintenance expenditures for projects on the fuel tax system (Table 11S) are not paid from the HMTF; instead, these O&M expenditures are appropriated from Federal general revenues. Note that revenue generated from the Inland Waterways Fuel tax is used to pay for 50 percent of the capital (new construction and major rehabilitation) costs on the fuel tax system, and is not used to recover O&M expenditures on the system.

Each of the three NCRDBS reports (i.e., Tables 1D, 11S, and 21S) presents navigation project O&M costs organized by waterway segment (Appendices A-C). Exhibit 1 presents a map depicting the location of the 40 segments used by the Corps. Projects within each segment are listed numerically by assigned Corps of Engineers "Project Work Identification" (PWI) code (formerly known as the project CWIS number). In addition, the deep draft and non-fuel tax shallow draft projects (Tables 1D and 21S, respectively) are also presented in an alternate format with projects organized alphabetically within each state (Appendices D and E and Chapter II - Analysis of FY 1996 Results).

1.4 Costs Included in the Navigation Cost Recovery Database System

The NCRDBS contains project total, navigation, other, and joint operation and maintenance expenditures on a yearly (fiscal year) basis for all Civil Works projects authorized solely or in part (i.e., multi-purpose projects) for navigation purposes. Navigation expenditures are defined as those navigation O&M costs incurred by the Corps of Engineers on water resources projects which have navigation as an authorized purpose. Projects authorized for navigation may include recreational boating, fishing, harbors of refuge, and for some inland waterway projects, multi-purpose flood control, water supply and/or hydro-power. Non-navigation costs attributed to these purposes are not recovered for the HTMF.

The accounts specified within the NCRDBS are for navigation, other (including recreation), and joint use costs. Historically, the bulk of the O&M cost data has been derived from the Corps wide financial database known as the Corps of Engineers Management Information System (COEMIS). The COEMIS system is accessed electronically by IWR to extract the navigation O&M cost accounts relevant to the NCRDBS. Note that the COEMIS system is being replaced by the new Corps of Engineers Financial Management System (CEFMS) as Corps offices are brought online to the new system. Additional cost data on approximately 90 multiple purpose projects and navigation projects which include recreation is obtained from an annual survey of Corps' Division and District Construction-Operations offices.

The NCRDBS consists of a series of electronic files (dBASE III tables) which include all Corps navigation projects for which O&M costs are expended within a given fiscal year. Separate files exist for each fiscal year from 1977 through 1996. The costs are displayed as the *actual dollars* spent that year for each project and as a total amount. IWR separately maintains the database in *constant dollars* (currently expressed as 1996 dollars), and also has calculated the average yearly O&M for each project over the entire 1977-1994 period (also in 1996 dollars).

1.5 O&M Cost Allocation

Most of the projects for which O&M costs appear in the NCRDBS are authorized as single purpose navigation projects. However, some of the projects with navigation expenditures are multiple purpose projects which include other authorized water resources functions in addition to navigation. Total O&M costs for a particular project may be divided into specific costs and joint costs:

- o Specific costs are those costs which are unique to a single purpose (i.e., costs associated with locks are specific to navigation, those costs attributed to powerhouse operation are specific to hydropower production, etc.).
- o Joint costs are those associated with more than one project purpose (i.e., costs for the operation of a dam spillway would be a joint cost for a multiple-purpose reservoir project).

When all specific costs are added together and subtracted from total costs, the remainder is the joint cost. Reasonable and established cost allocation procedures are applied to allocate joint costs to specific project purposes. This allocation is especially important for multipurpose projects because, for example, water supply and hydroelectric power are vendible project outputs involving costs which are reimbursable to the Federal government.

Different administrative procedures are used to allocate joint costs and to arrive at total navigation costs for four types of projects in the NCRDBS. The first type involves *single purpose* navigation projects for which costs attributable to commercial navigation are obtained simply by subtracting recreational specific costs from the total project costs. Costs that would be considered joint costs not directly attributable to navigation in multiple purpose projects are attributed entirely to navigation in single purpose navigation projects. Over 90 percent of the total

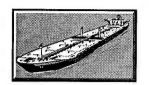
navigation O&M costs applies to single purpose projects, including about 80 percent of the shallow draft fuel tax project total.

The second type of project is multiple purpose projects that have an established administrative cost allocation for reimbursable purposes. These projects have had their cost allocation determined administratively at the time of project completion. The principal technique used is the Separable Costs-Remaining Benefits (SCRB) Method and involves allocating both separable costs and remaining joint costs for each specific project purpose such as navigation, flood damage reduction, recreation hydropower, fish and wildlife, etc. At the end of each fiscal year all Corps districts are surveyed to identify the specific costs allocated to navigation and other purposes based on these allocation percentages. Ultimately, navigation costs include costs specific to navigation and those joint use costs allocated to navigation based on the latest official cost allocation formula. Approximately six percent of the 11S projects fall into this category.

Multiple purpose projects without administrative allocation are a third category representing only about one percent of total navigation costs. Under the current O&M Feature Cost Code (FCC) definition, certain FCCs are attributed specifically to navigation in the NCRDBS tables (i.e., for the Table 11S cost data, four FCCs - 601.1 Operation of Locks; 622 Lock Maintenance; 626 Breakwater, Jetty and Seawall Maintenance; and, 633 Channel and Canal Maintenance are designated as navigation cost accounts). There are eight FCCs attributed specifically for other project purposes (e.g., 604 Operation of Power Plants, 605 Natural Resources Management, and 629 Maintenance of Recreation Facilities, etc.). Joint costs are computed as the total O&M costs minus the costs for the navigation and other accounts. Ten percent of joint costs is added to the sum of the costs for the four navigation FCC's to arrive at the total costs attributable to navigation. The ten percent is merely an "engineering estimate" to recognize the contribution the joint cost makes toward navigation.

The fourth type of project, the *Mississippi River and Tributaries (MR&T)* component of the inland waterway system, is also *without an administrative allocation*. It is treated like type three above, except that 33 percent of joint costs is allocated to navigation. MR&T projects account for nearly 13 percent of the 11S navigation O&M costs. The Mississippi River and Tributaries project provides for flood protection of the alluvial valley of the Mississippi River and its tributaries between Cape Girardeau, Missouri, above the junction with the Ohio River and the Head of Passes, Louisiana. It also provides for a shallow draft navigation channel from Cairo, Illinois, at the junction with the Ohio River to Baton Rouge.

Note that a new O&M cost breakdown (now designated as *Work Category Codes* (*WCCs*) based on Corps of Engineers business functions is expected to simplify and increase the consistency of the above allocation procedures. The new *WCCs* are planned for use in the execution of the FY 1998 budget and in the formulation of all budgets thereafter. The cost allocation approach for navigation O&M cost recovery described above will generally be followed under the new procedure.



CHAPTER II - ANALYSIS OF FY 1996 RESULTS

2.1 Introduction

This chapter consists of a summary and analysis of the Corps actual FY 1996 navigation O&M expenditures. The FY 1996 results are presented as O&M expenditure totals by navigation category (deep draft, shallow draft, and inland waterways), and are compared with the average navigation O&M spending over the previous five years and displayed against the President's Budget estimate for FY 1996 (Table II-1).

FY 1996 navigation costs are also discussed within the context of the NCRDBS historical record dating back to FY 1977. The historical record is presented in both actual and constant (1996) dollars, resulting in quite different trends, as would be expected. These trends are displayed in both tabular and graphical forms (Tables II-2 and II-3, and Figures II-1 and II-2). FY 1996 cost recovery data and historical trends are presented for deep and shallow draft (non-fuel tax) harbors whose O&M is subject to recovery from the HMTF. Included in this analysis is data on the number of harbor projects maintained each year, and the average O&M cost/harbor project for FY 1977-1996 (Table II-4).

Finally, actual O&M expenditures for FY 1991-1996 are presented for the ten highest cost projects (or waterways) within each navigation category, and the ten states with the highest FY 1991-1996 O&M cost recovery amounts (Tables II-5 thru II-8).

The following paragraphs summarize the FY 1996 results. For more specific information on individual projects, refer to the FY 1996 O&M cost reports for the 1D, 21S and 11S navigation categories included within Appendices A-H.

2.2 Summary of FY 1996 Navigation O&M Expenditures

In FY 1996 total navigation O&M expenditures for waterways and harbors reached a record \$1,012 million, of which \$536 million or 53 percent was for harbors and \$476 million or 47 percent was for waterways and (Table II-1 and Appendices A-C). The FY 1996 total represented a four percent increase over FY 1995 and a one percent increase from FY 1994 in actual dollars. However, this net increase in actual spending can be traced to the growth in O&M expenditures for deep and shallow draft (non-fuel tax) harbors, which mask a retreat from the record totals of inland waterways O&M posted in FY 1994-1995. Waterway costs declined by \$11 million in FY 1996 compared to the average for the two previous years, but were well above the \$411 million average for FY 1991-1993, or the \$441 million average for FY 1991-1995 (Table II-1).

TABLE II-1
NAVIGATION O&M EXPENDITURES*
FOR HARBORS AND WATERWAYS
FY 1991-96 (\$1,000)

			ACTUALS	S		AVG.	AVG.	PRES. BUDGET	ACTUAL
CATEGORY	1991	1992	1993	1994	1995	1991-93	1991-95	EST, 1996	1996
HARBORS									
DEEP	393,946	378,307	415,667	436,277	418,893	395,973	408,618	463,693	461,722
SHALLOW	68,284	59,675	61,223	82,920	63,234	63,060	67,067	83,340	74,264
	=								
SUBTOTAL	462,229	437,981	476,890	519,196	482,126	459,034	475,685	547,033	535,986
WATERWAYS	381.924	453.765	396,923	481,563	489,745	410,871	440,784	492,388	475,960
TOTAL	BAA 15A	801 746	A73 81A	1 000 759	971 871	869.904	916,469	1,039,421	1,011,946

SOURCE: Navigation Cost Recovery Data Base System (NCRDBS), USACE, Institute for Water Resources

* Costs include construction costs for dikes and revetments in the Mississippi River and Tributaires (MR&T) account, where such work is comparable to similar work funded by O&M. In FY 1996 MR&T dike and revetment navigation recoverable costs totaled \$23,081,500.

The four percent increase in FY 1996's total navigation O&M expenditures compared to FY 1995 is due to a ten percent increase in deep draft navigation costs and a 17.7 percent increase in shallow draft harbor expenditures. At the same time navigation O&M spending on the inland waterways fell by almost three percent. The deep draft navigation O&M actuals for FY 1996 (\$461.7 million) represents the highest amount recorded for this category, while the \$74.4 million expended on O&M for shallow draft harbors stands third to the spending totals of FY 1994 (\$82.9 million) and FY 1988 (\$77.3 million).

Total navigation O&M expenditures averaged 14 percent higher for the FY 1994-1996 years compared with the FY 1991-1993 years. This increase reflects a boost in costs for the waterways in FY 1994 and 1995 after the Great Flood of 1993, in combination with increases of \$21 million for both deep and shallow draft harbors in FY 1994, and a \$25 million jump in deep draft costs in FY 1996.

Consequently, total navigation O & M costs (actual dollars) topped \$1 billion for the first time in FY 1994, and again surpassed the billion dollar level in FY 1996 for a new record. After FY 1991 and 1992, when costs averaged \$386 million, deep draft projects costs have risen from \$416 to \$462 million. Shallow draft project costs have varied considerably from \$60 to \$83 million.

FY 1996 actual total navigation costs were about \$27 million below the estimate in the President's Budget Request of \$1,039 million as all three project categories shared in the cost savings. Waterways were below estimate by \$16 million, deep draft harbors by \$2 million, and shallow draft harbors by over \$9 million. See paragraphs 2.3, 2.4 and 2.6 below for additional discussions of these cost savings. Appendices F-H include the 1D, 21S and 11S project listings for the FY 1996 President's Budget estimate.

2.2.1 Historical Trends

Table II-2 and Figure II-1 present the Corps actual navigation O&M expenditures for the complete twenty year record of the NCRDBS (FY 1977-1996). In actual dollars overall navigation O&M expenditures have steadily grown since FY 1977 (up by 134 percent), with deep draft costs increasing by 115 percent, shallow draft harbor expenditures growing by 140 percent, and inland waterways O&M spending up by 154 percent. Within this overall growth there has been a gradual shift of the relative spending share from deep draft harbors to inland waterways. Navigation O&M outlays for deep draft harbors exceeded those for inland waterways O&M for every year between 1977 and 1985. However, since 1985, O&M spending on the inland waterways has exceeded that for deep draft harbor projects for all but one year (1993).

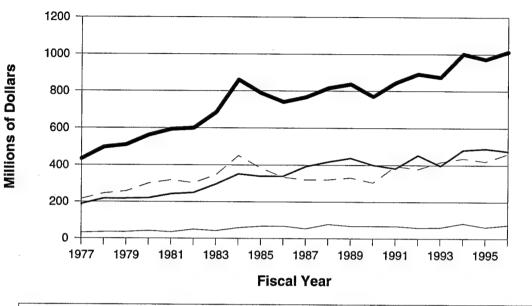
This shift has resulted in the share of navigation O&M spending on deep draft harbors declining relative to overall navigation O&M during the period of analysis. O&M spending on deep draft harbors was near or above 50 percent of the navigation total from FY 1977 through 1985, but has since declined to shares generally about 45 percent, but as low as 39 percent. In fact, the average deep draft O&M cost for the ten year period FY 1977-1986 is \$315 million,

TABLE II-2
TOTAL NAVIGATION O&M EXPENDITURES BY CATEGORY
1977-1996 (ACTUAL DOLLARS)

TOTAL DEEP DRAFT O&M EXPENDITURES	PES TOTAL I
(FROM TABLE 1D) (NON-FUEL TAX S000) % OF TOTAL ACTUAL (\$500)	(NON-FUEL TAX, FROM TABLE 21S) ACTUAL (5000) ACTUAL (5000) ACTUAL (5000) ACTUAL (5000) ACTUAL (5000)
	187,709
50% 36,110	10 7% 217,172 43%
	60 7% 219,900 39%
53% 34,492	000 100
50% 49,237	32 6% 241,769 41%
51% 42,019	6% 241,769 8% 248,785
52% 58,636	6% 241,769 8% 248,785 6% 295,803
	6% 241,769 8% 248,785 6% 295,803 7% 350,567
45% 68,287	6% 241,769 8% 248,785 6% 295,803 7% 350,567 9% 338,429
42% 53,944	6% 241,769 8% 248,785 6% 295,803 7% 350,567 9% 338,429 9% 339,301
39% 77,311	6% 241,769 8% 248,785 6% 295,803 7% 350,567 9% 338,429 9% 339,301 7% 392,440
40% 68,200	6% 241,769 8% 248,785 6% 295,803 7% 350,567 9% 338,429 9% 339,301 7% 392,440 9% 417,875
39% 67,259	6% 241,769 8% 248,785 6% 295,803 7% 350,567 9% 338,429 7% 392,440 9% 417,875 8% 437,731
47% 68,284	6% 241,769 8% 248,785 6% 295,803 7% 350,567 9% 338,429 7% 392,440 9% 417,875 8% 437,731 9% 399,505
42% 59,675	6% 241,769 8% 248,785 6% 295,803 9% 350,567 9% 338,429 7% 339,301 7% 392,440 9% 417,875 8% 437,731 9% 399,505 8% 381,924
48% 61,3	6% 241,769 8% 248,785 6% 295,803 7% 350,567 9% 338,429 1% 339,301 7% 392,440 9% 417,875 8% 427,731 9% 389,505 8% 381,924 7% 453,765
	6% 241,769 8% 248,785 6% 295,803 7% 350,567 9% 338,429 7% 339,301 7% 392,440 9% 417,875 8% 437,731 8% 381,924 7% 453,765 7% 396,923
43% 63,2	6% 241,769 8% 248,785 6% 295,803 7% 350,567 9% 338,429 7% 332,440 9% 417,875 8% 437,731 9% 399,505 8% 381,924 7% 453,765 7% 396,923 8% 481,563
46% 74,264	6% 241,769 8% 248,785 6% 295,803 7% 350,567 9% 338,429 9% 339,301 7% 392,440 9% 417,875 8% 437,731 8% 381,924 7% 453,765 7% 463,765 7% 481,563 7% 489,745
	6% 241,769 8% 248,785 6% 295,803 7% 350,567 9% 338,429 9% 339,40 9% 417,875 8% 437,731 8% 381,924 7% 453,765 7% 481,563 7% 489,745 7% 489,745 7% 489,745
47% 56,974	6% 241,769 8% 248,785 6% 295,803 7% 350,567 9% 338,429 9% 339,301 7% 392,440 9% 417,875 8% 437,731 8% 381,924 7% 453,765 7% 463,765 8% 481,563 8% 489,745 7% 489,745
50% 46,3	6% 241,769 8% 248,785 6% 295,803 7% 350,567 9% 338,429 9% 339,301 7% 392,440 9% 417,875 8% 437,731 8% 339,505 7% 453,765 7% 463,765 7% 481,563 7% 489,745 7% 475,960 8% 349,201
43% 67,	6% 241,769 8% 248,785 6% 295,803 6% 295,803 9% 350,567 9% 338,429 9% 339,40 9% 417,875 8% 417,875 8% 381,924 7% 453,765 7% 489,745 7% 489,745 7% 489,745 8% 349,201 8% 349,201 7% 265,659
45% 68,266	6% 241,769 8% 248,785 6% 295,803 9% 350,567 9% 338,429 9% 338,429 9% 339,440 9% 417,875 8% 437,731 8% 381,924 7% 483,765 7% 481,563 7% 489,745 7% 445,960 8% 349,201 8% 349,201 8% 432,743

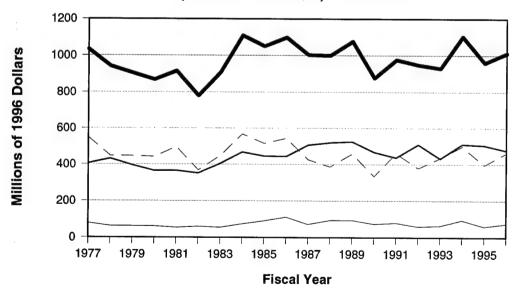
SOURCE: Navigation Cost Recovery Data Base System (NCRDBS) Reports, FY 1977-1996, USACE, Institute for Water Resources

Figure II-1
Corps of Engineers Navigation O&M Expenditures
(Actual \$'s) - Historical



Deep Draft Harbors — Shallow Draft Harbors — Inland Waterways — Total

Figure II-2
Corps of Engineers Navigation O&M Expenditures
(Constant 1996 \$'s) - Historical



Deep Draft Harbors — Shallow Draft Harbors — Inland Waterways — Total

or 50 percent of the navigation total, while the relative share of the deep draft average annual amount over the last ten years (\$378 million) has declined to 43 percent of the total. The deep draft navigation O&M share of 46 percent for FY 1996 is typical for the period 1991-1995 (average of 45 percent of total navigation O&M).

Inland waterways O&M expenditures for the FY 1977-1986 period averaged \$266 million or 42 percent of the navigation total, while the average for the last ten years (\$433 million for FY 1987-1996) has resulted in an increased share of 49 percent of the total. In FY 1987 to 1990 waterways accounted for 51 or 52 percent of navigation O & M costs. During this period waterway costs hit a peak of \$438 million in FY 1989, or over \$140 higher than the \$296 million just six years earlier in 1983.

The higher costs of waterways for the last ten years and their greater relative share of navigation O & M expenditures can be partially attributed to major rehabilitation, major maintenance, and new waterway projects A comparison of costs for specific waterways in 1983 and 1989 shows there were six waterways with increases of greater than \$10 million and five with increases of \$3 to \$8 million. For the Upper Mississippi, Ohio, and Illinois major rehabilitation comprised one-half or more of the cost increase. Starting in FY 1993 new major rehabilitation projects were funded under the Construction General appropriation, and the overall cost of continuing major rehabilitation funded under O & M began to decline as projects were completed.

The completion of new waterway projects has contributed to the growth of inland navigation O&M costs. In FY 1989 navigation O&M costs for the Tennessee - Tombigbee Waterway cost \$13.7 million more than in 1983 and costs for the Red River Waterway had increased by \$3.1 million over the same period. By FY 1996 the navigation O & M costs for the two new projects totaled almost \$23 million.

Major maintenance costs on the waterways, which began to rise substantially after 1985, especially on the Upper Mississippi and Illinois, are a reflection of aging facilities. By the year 2000 about 40 percent of inland waterway lock chambers will have exceeded their 50 year design lives, including many heavily used locks on the Upper Mississippi and Illinois Rivers. Major maintenance costs are expected to reach a fifteen year total of about \$500 million by the year 2000.

Major maintenance in FY 1996 was defined as a non-repetitive item of maintenance or aggregate items of related work in which the total estimated cost exceeded \$3 million. The work would make the project feature effective for its desired purpose and would not qualify as major rehabilitation.

Shallow draft harbor navigation O&M costs have generally remained constant around 7-8% through the overall twenty year period, while inland waterway O&M attributed to navigation rose from shares around 40 percent (1977-1985) to expenditure totals approaching or exceeding 50 percent (Table II-2).

2.2.2 Navigation O&M Costs: Real Spending

When O&M expenditures over the period of analysis are examined in constant (1996) dollars, quite a different picture emerges. As can be seen from Table II-3, the FY 1996 overall total of \$1,012 million was only four percent above the average navigation O&M spending throughout the FY 1977-1996 period and, in fact, has been exceeded by spending in six other fiscal years.

In 1996 dollars overall navigation O&M spending has averaged \$974 million over the period of record, during which the \$1 billion spending level has been exceeded eight times. The highest annual constant dollar expenditure total was \$1.108 billion in 1984. The spending trend over the last ten years has essentially been flat, with the annual averages for FY 1987-1996 and FY 1991-1996 both being \$988 million. In real terms the FY 1996 total is approximately equal to the FY 1977 total (\$1.033 billion), with the major difference being the shift in relative spending from deep draft O&M to O&M for inland waterways, as discussed in section 2.2.1

2.2.3 Navigation Cost Recovery

Navigation O&M expenditures for deep draft (1D Report) and shallow draft (21S Report for non-fuel tax system) harbors are subject to recovery form the Harbor Maintenance Trust Fund. The FY 1996 1D and 21S Cost Recovery Tables are included in their entirety as Appendices A and B, respectively. Table II-4 presents an historical summary of these costs along with a count of the number of deep and shallow draft projects maintained each year FY 1977-1996. The yearly average annual O&M cost per deep and shallow draft project is also tabulated in Table II-4 (in actual dollars) and displayed on Figures II-3 and II-4 (in actual and constant dollars, respectively).

In FY 1996 the navigation O&M costs subject to recovery from the HMTF reached a record \$536 million, up by 11 percent from FY 1995. This increase continues the general trend of growth reflected over the last ten years, with the yearly average recoverable costs for the period FY 1991-1995 (\$475.7 million) representing a 22 percent increase over the \$388.4 million average during the previous five years (FY 1986-1990). This growth has been totally within the deep draft navigation category: O&M expenditures for deep draft harbors for the period FY 1991-1995 averages \$408.6 million, up 27 percent from the \$321.4 yearly average during FY 1986-1990. In contrast, the average annual shallow draft O&M expenditures has remained at approximately \$67 million over the last ten years.

In addition, the number of harbor projects maintained per year has also grown in recent years, particularly in FY 1995 and 1996. The FY 1996 total of 477 harbor projects maintained stands second to the record total of 535 projects for FY 1995 (Table II-4). This contrasts with the 385 average annual number of harbor projects maintained during the previous ten years. Over the twenty year period of record the growth in the number of projects being maintained has been primarily within the shallow draft navigation category. The average number of shallow draft projects maintained per year has risen by 30 percent when comparing the FY 1977-1986

TABLE II-3 TOTAL NAVIGATION O&M EXPENDITURES BY CATEGORY 1977-1996 (CONSTANT 1996 DOLLARS)

TOTAL MAVIGATION OAN COSTS	1,033,191	941,189	904,304	868,029	914,590	779,174	906,343	1,108,278	1,050,365	1,097,831	1,003,051	999,741	1,076,576	876,363	976,725	947,981	929,646	1,103,379	959,564	1,011,946		974,413	960,329	988,497	988,207
OAN EXPENDITURES (TABLE 11S) % OF TOTAL	39%	46%	44%	42%	40%	45%	45%	42%	42%	40%	20%	52%	49%	23%	45%	54%	46%	46%	53%	47%		46%	43%	20%	48%
TOTAL INLAND WATERWAY OAN EXPENDITURES (FUEL TAX, BASED ON TABLE 11S) 1996 (\$600)	405,452	431,274	395,687	365,034	365,555	351,284	404,954	466,955	445,035	443,806	505,855	519,836	524,839	467,021	437,303	509,124	432,249	510,456	504,437	475,960	Carrier and Marie	448,106	407,503	488,708	478,255
A EXPENDITURES TABLE ZIS	%8	7%	7%	2%	%9	8%	%9	7%	%6	10%	7%	%6	%6	%8	%8	%9	%1	%6	%9	%1	1 (4)	%8	%4	%8	7%
TOTAL SHALLOW DRAFT OAM EXPENDITURES (NOM-FUEL TAX, BASED ON TABLE 215) 1936 (\$000)	79,044	62,878	62,724	61,430	53,842	690'09	54,205	73,823	90,588	111,239	71,800	93,314	94,320	74,323	79,687	59,794	63,856	94,694	59,693	74,264	71 11 11	73,779	70,984	76,575	71,998
EXPENDITURES BLE 1D) K OF TOTAL	53%	47%	49%	51%	54%	47%	49%	51%	49%	49%	42%	36%	42%	38%	47%	40%	47%	45%	41%	46%		46%	20%	43%	44%
TOTAL DEEP DRAFT OAM EXPENDITURES (BASED ON TABLE 1D) 1996 (\$000)	548,695	447,037	445,893	441,566	495,193	367,821	447,184	567,500	514,743	542,786	425,397	386,591	457,416	335,019	459,735	379,063	433,541	498,228	395,435	461,722		452,528	481,842	423,215	437,954
EISCAL YEAR	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	SERVELA	977/96	1977-86	387.88	1911-96

SOURCE: Constant dollar amount are based on Navigation cost Recovery Data Base System (NCRDBS) Reports, FY 1997-1996, USACE, Institute for Water Resources application of Dredging Cost Per Yard (CPY) Index (for deep and shallow draft harbors) from CECW-OD's Continuing Analysis of Dredging Quantities and Costs for FY 1996, and Civil Works Construction Cost Index (for Inland Waterways) from EM-1110-2-1304).

period with the last ten years, as compared to an eight percent increase in average real costs per year.

A net result of this trend is that the average annual cost (in actual dollars) per deep draft project has averaged approximately \$2 million/project per year over the last decade, with the FY 1995 and 1996 amounts representing a decline from the peak average of \$2.35 million/project in 1993, Table II-4. The 1995 and 1996 average annual costs per shallow draft project (\$203 thousand and \$296 thousand, respectively) sharply declined (by 32 percent and 10 percent, respectively) from the \$331,700 average/harbor over the period FY 1985-1994. However, as shown in Figures II-3 and II-4, these trends in average annual cost per deep and shallow draft harbors are less evident when the costs are displayed in 1996 constant dollars. In real terms the average cost/project for both deep draft and shallow draft projects peaked in FY 1986.

2.3 Navigation O&M Expenditures for Deep Draft Harbors

Expenditures for the ten highest cost deep draft harbors in FY 1996 amounted to \$162.6 million or about 35 percent of the total for all deep draft projects (Table II-5 and Appendix A). Their total was \$8.2 million higher than estimated in the President's budget as the cost for eight projects exceeded their estimate. This increase was offset by the Mississippi River, Baton Rouge to the Gulf, project, which was \$13.4 million below its estimated cost. Expenditures for the ten projects in FY 1996 exceeded their combined average annual cost for FY 1991-95 by \$6.8 million.

For the past six years expenditures on the ten highest cost deep draft projects have held steady while those for deep draft projects overall have risen. As a result, the most expensive projects' share of deep draft project costs declined from 43 to 35 percent. In three years (1992-1994) the cost of these top ten projects ranged from \$157 to \$164 million but recorded amounts of \$170 million in 1991 and then sharply dropped below \$130 million in 1995, primarily due to the decline in O&M costs for the Mississippi River-Baton Rouge to Gulf project.

The location and physical characteristics of the top ten projects contribute to their higher costs. Six are affected by both coastal currents and riverine sedimentation. The St. Marys River project is not on the coast and the Mississippi River-Gulf Outlet project is not riverain, but both have the added expense of lock operation and maintenance. Costs for the Intracoastal Waterway from the Delaware River to Chesapeake Bay for FY 1991-93 include the costs for the waterway's rehabilitation and St. Georges Bridge at the project. Although the Columbia and Lower Willamette Rivers project is not on the coast and has no locks, large volumes of sediment are deposited over its approximately 115 mile length, despite the presence of dams upriver to catch some of the sediment.

TABLE II-4
NAVIGATION COST RECOVERY OF O&M EXPENDITURES
DEEP DRAFT AND SHALLOW DRAFT HARBORS, 1977-1996
ACTUAL DOLLARS

TOTAL O&M COSTS RECOVERABLE FROM HMIF	245,594	279,253	292,814	341,941	351,720	350,729	388,673	509,391	449,391	401,488	373,551	397,602	398,942	370,444	462,229	437,981	476,890	519,196	482,126	535,986		403,297	361,100	445,495	485,735
AVERAGE COST PER PROJECT (\$000)	179.80	181.24	211.17	220.95	188.48	300.22	264.27	357.54	337.95	341.43	286.94	400.57	331.07	336.30	336.37	292.52	292.93	373.51	203.32	295.87		287	258	315	299
SHALLOW DRAFT OAM COSTS ACTUAL (\$000)	30,925	34,435	36,110	41,760	34,492	49,237	42,019	58,636	67,251	68,287	53,944	77,311	68,200	67,259	68,284	59,675	61,223	82,920	63,234	74,264		56,973	46,315	67,631	68,266
NO. OF SHALLOW DRAFT PROJECTS MAINTAINED	172	190	171	189	183	164	159	164	199	200	188	193	206	200	203	204	209	222	311	251		199	179	219	233
AVERAGE COST PER PROJECT (\$000)	1,213	1,289	1,337	1,532	1,782	1,703	1,894	2,336	2,055	1,915	1,869	1,750	1,769	1,571	2,063	2,045	2,348	2,346	1,870	2,043		1,836	1,705	1,967	2,119
DEEP DRAFT O&M COSTS ACTUAL (\$000)	214,669	244,818	256,703	300,181	317,228	301,493	346,654	450,755	382,140	333,202	319,607	320,291	330,742	303,185	393,946	378,307	415,667	436,277	418,893	461,722		346,324	314,784	377,864	417,468
NO. OF DEEP DRAFT PROJECTS MAINTAINED	177	190	192	196	178	177	183	193	186	174	171	183	187	193	191	185	177	186	224	226	S	188	185	192	198
FSCAL. YEAR	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	AVERAGES	1977-96	1977-86	1987-96	1991-96

SOURCE: Navigation Cost Recovery Data Base System (NCRDBS) Reports, FY 1977-1996, USACE, Institute for Water Resources

Figure II-3
Navigation O&M Cost Per Project, Deep Draft Harbors,
1977-1996

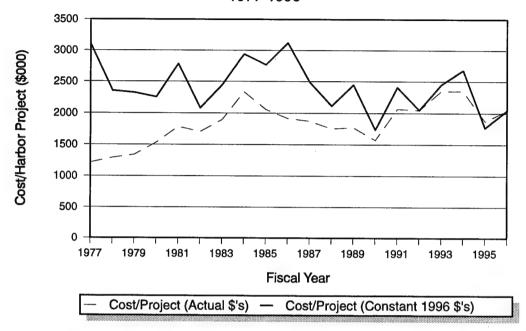
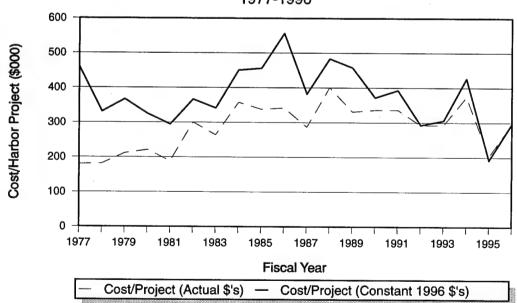


Figure II-4
Navigation O&M Cost Per Project, Shallow Draft Harbors,
1977-1996



2.4 Navigation O&M Expenditures for Shallow Draft Harbors

Navigation expenditures for the ten highest cost shallow draft harbors in FY 1996 amounted to \$19.0 million or about 26 percent of the total for all shallow draft harbor projects (see Table II-6 and Appendix B). Their total was \$4.0 million less than estimated in the President's budget mainly because the Manteo Bay and New Jersey Intracoastal Waterway projects were \$3.2 and \$1.2 million, respectively, below their estimates. The FY 1996 total navigation expenditures for the top ten were only \$0.3 million below their average for the previous five years as increases in costs for six projects offset the \$2.2 million decrease for Manteo Bay.

For the past six years expenditures on the ten highest cost shallow draft harbor projects have fluctuated in a small range between \$18.5 and \$20.4 million. Consequently, their share of all shallow draft harbor costs has dropped as costs for other projects rose. None of the projects showed a trend of rising or falling costs, although costs for the Trinity River were noticeably higher in FY 1993-95. Five projects displayed regular fluctuations in annual costs of less than \$1 million and another five projects varied by more than \$1 million per year. For four projects, including Manteo Bay, costs jumped even more in one or two years. Costs for Manteo Bay, the most expensive shallow draft harbor, were \$5.2 to \$6.1 million in three years, but peaked at \$8.2 million in FY 1991 and plummeted to \$2.1 and \$3.3 million respectively in FY 1994 and 1996.

While a project's location and physical characteristics play a role in its costs, only two (Freshwater Bayou and Rouge River Harbor at Gold Beach) obtain both coastal and riverine influences. Four others are affected by coastal currents and four by rivers. The added expense of lock and/or dam operations and maintenance is borne by three projects (Okeechobee Waterway, Fox River, and Freshwater Bayou).

2.5 Navigation O&M Expenditures for Deep and Shallow Draft Harbors by State

In ten states the navigation O&M expenditures for harbor projects in FY 1996 exceeded \$20 million (see Table II- 7 and Appendices D and E). In Louisiana and Delaware the project costs were \$84 and \$55 million respectively. The costs in four states were \$30 to \$40 million and \$20 to \$30 million in four other states. The projects in the ten states cost a total of \$386 million or 72 percent of the \$586 million total for all deep and shallow draft harbor projects.

Geographically three states are on the Pacific Coast; three are on the Gulf Coast; Florida is on the Gulf and Atlantic Coasts; one is on the Atlantic Coast alone; New York is on the Atlantic Coast and Great Lakes; and Michigan is on the Great Lakes.

TABLE II-5 NAVIGATION COST RECOVERY OF O&M COSTS FOR TEN HIGHEST COST DEEP DRAFT PROJECTS FY 1991-96 (\$1,000)

* * * * * * * * * * * * * * * * * * *	· · · · · · · · · · · · · · · · · · ·	in Ti			di D		AVG **	FST	12 #4
MA	PHOJECT NAME: "" :	1981	1982	1993	1984	1995	91-95	1996	1996
W 89	68 MISS RIVER-BATON ROUGE TO GULF, LA	47,728	36,817	42,803	60,840	43,745	46,386	51,837	38,461
8160	8160 IWW FM DEL R TO CHPKE BAY	20,573	22,526	26,069	11,842	12,102	18,622	16,090	17,691
11670 N	11670 MOBILE HBR, AL	21,687	20,425	14,446	15,987	17,358	17,980	17,780	20,344
4570 E	4570 DEL RVR& PA NJ PHILA TO SEA	14,365	15,404	14,442	12,638	11,649	13,700	18,157	20,586
11410 N	11410 MISS R-GULF OUTLET, LA	9,417	11,720	13,591	12,026	9,025	11,156	12,054	17,004
17380 S	17380 ST MARYS RIVER, MI	8,090	9,300	10,810	11,610	13,096	10,581	9,505	11,753
3630 C	3630 COLUMBIA & LWR WLMTE RVR, OR	10,589	10,889	9,245	10,350	11,475	10,510	11,017	17,042
870 *	870 *BALT HBR CHS, MD & VA	14,251	16,688	13,600	4,266	792	9,919	N/A	2,541
15780 S	15780 SABINE-NECHES WW, TX	14,305	5,894	7,282	12,544	3,426	8,690	11,946	17,118
12490 N	12490 NEW YORK HARBOR, NY & NJ	9,421	8,857	11,842	4,705	6,677	8,300	6,020	65
S	SUBTOTAL: TEN HIGHEST	170,426	158,520	164,130	156,806	129,344	155,845	154,406	162,606
┺	TOTAL: ALL DEEP DRAFT	393,946	378,307	415,667	436,277	418,893	408,618	463,693	461,722
	TEN HIGHEST SHARE OF TOTAL	43%	42%	39%	36%	31%	38%	33%	35%
*	* Estimated cost not available, but may have	av have been included in estimate for Baltimore	ded in ecti	mate for B	altimore				
	Harbor & 50FT Channel, which was \$13,425,	\$13,425,000.00. Ac	tual cost f	or the latte	Actual cost for the latter project was \$8,776,740.00	as \$8,776,	740.00		

SOURCE: Navigation Cost Recovery Data Base System (NCRDBS) Reports, FY 1977-1996, USACE, Institute for Water Resources

TABLE II-6 NAVIGATION COST RECOVERY OF O&M COSTS FOR TEN HIGHEST COST SHALLOW DRAFT PROJECTS FY 1991-96 (\$1,000)

IMd	PROJECT NAME	1991	1992	1993	1994	1995	AVG. 91-95	EST 1996	1996
10580	10580 MANTEO BAY, NC	8,210.3	6,100.4	6,014.0	2,063.4	5,171.3	5,511.9	6,506.0	3,309.6
13240	13240 OKEECHOBEE WWY, FL	1,715.0	2,974.9	1,925.0	4,983.7	2,235.5	2,766.8	3,326.0	3,629.0
8190	8190 NEW JERSEY IWW, NJ	2,448.4	3,214.0	1,792.0	2,358.8	2,829.6	2,528.6	3,729.0	2,507.4
6610	6610 FOX RIVER, WI	1,708.1	1,681.0	2,199.0	1,792.9	2,271.6	1,930.5	2,215.0	2,117.3
6200	6200 FRESHWATER BAYOU, LA	1,964.5	1,039.9	880.0	1,989.8	1,631.9	1,501.2	1,659.0	1,664.4
19550	19550 IWW COAST OF VA, VA	921.8	1,218.3	1,341.0	1,157.0	955.9	1,118.8	1,268.0	1,371.6
99981	99981 MR&T-MCKELLER LK HBR, TN	1,239.0	840.0	1,540.0	1,595.0	289.0	1,100.6	1,415.0	1,930.0
18510	18510 TRINITY RIVER, TX	639.1	487.9	1,060.0	1,648.7	1,167.7	1,000.7	1,270.0	701.7
15600	15600 ROGUE RVR HBR GOLD BH, OR	1,050.0	929.6	828.0	1,063.2	1,031.8	980.5	816.0	998.2
76106	76106 CHINCOTEAGUE INLET, VA	457.4	1,412.6	945.0	663.7	958.2	887.4	888.0	816.5
	SUBTOTAL: TEN HIGHEST	20,353.6	19,898.4	18,524.0	19,316.1	18,542.4	19,326.9	23,092.0	19,045.7
	TOTAL: ALL SHALLOW DRAFT	68,283.8	59,674.6	61,222.9	82,919.6	63,233.7	6.990,79	83,340.0	74,264.0
	SHARE OF TOTAL	30%	33%	30%	23%	29%	%67	28%	26%

SOURCE: Navigation Cost Recovery Data Base System (NCRDBS) Reports, FY 1977-1996, USACE, Institute for Water Resources

Deep draft projects in the top ten states cost almost \$346 million in FY 1996 or 75 percent of all those projects. The Mississippi River, Baton Rouge to the Gulf, costing over \$38 million, and three other projects costing \$8 to \$17 million helped boost Louisiana to first place in deep draft costs among the states. It was followed by Delaware, mainly due to the cost of the Delaware River from Philadelphia to the Sea, the Intracoastal Waterway form the Delaware River to Chesapeake Bay, and the St. Georges Bridge. The Delaware River project also borders Pennsylvania and New Jersey and the IWW also passes through Maryland.

The ten states with the highest harbor costs claimed over \$40 million or 55 percent of the \$74 million total in FY 1996 shallow draft costs. New York headed the list with shallow draft projects costing over \$10 million, followed by Florida with \$9.5 million and Louisiana with \$6.7 million. In six other states O&M costs for shallow draft harbors were between \$1 and \$5 million.

2.6 Navigation O&M Expenditures for Inland Waterways

Expenditures in FY 1996 for the ten highest cost waterways were almost \$352 million and almost three-fourths of the total for all fuel-taxed waterways (see Table II-8 and Appendix C). The most expensive was the Upper Mississippi at \$89 million, followed by the Ohio, Lower Mississippi, and Gulf Intracoastal (GIWW), costing \$57 to \$36 million. The Arkansas, Atlantic Intracoastal (AIWW), and Illinois were next with \$27 to \$22 million while the Tennessee-Tombigbee, Black Warrior-Tombigbee (BWT), and Monongahela completed the top ten with costs of \$16 to \$14 million.

Actual 1996 costs fell below the amounts estimated in the President's budget for eight waterways. Exceptions were the Upper Mississippi, which was 7.4 percent and \$6.1 million higher than estimated, and the AIWW, which was 7.3 percent and \$1.8 million higher. Although the 1996 costs for the ten highest cost waterways were about \$11 million above the five year average for FY 1991-95 their 1996 costs were \$15 and \$17 million, respectively, below the amounts for FY 1994 and 1995.

There has been a steady decline from 81 to 74 percent in share of total waterways costs for the ten highest cost waterways over the FY 1991-96 period. This has been due in part to the relative stability in costs for many of the high cost waterways. The annual costs for the Monongahela, BWT, and Tenn-Tom haven't deviated much from their averages. The Upper Mississippi and GIWW costs in FY 1996 returned to average levels after surges in FY 1994 and 1995. On the Upper Mississippi the surge probably reflected increased maintenance costs caused by the Great Flood of 1993. The 43 percent jump in FY 1996 costs above the FY 1991-95 average is probably an aberration for the AIWW. The Lower Mississippi has been volatile, with annual costs ranging from \$49 to \$70 million.

TABLE II-7

NAVIGATION O&M EXPENDITURES FOR THE TEN STATES WITH THE HIGHEST TOTAL PROJECT EXPENDITURES (NON-FUEL TAX PROJECTS)

FY 1996 (\$1,000)

State	Deep Draft	Shallow Draft	TOTAL
Louisiana	77,247.1	6,722.2	83,969.3
Delaware	54,335.6	669.0	55,004.6
Texas	39,243.8	1,464.7	40,708.5
Oregon	36,877.0	3,129.3	40,006.3
California	32,241.7	1,432.6	33,674.3
New York	22,566.0	10,292.7	32,858.7
Michigan	27,081.2	2,330.8	29,412.0
Florida	19,179.3	9,540.0	28,719.4
Alabama	20,383.8	1,106.6	21,490.4
Washington	16,411.8	4,373.9	20,785.7
SUBTOTAL: TEN HIGHEST	345,567.4	40,484.3	386,051.7
TOTAL	461,722.0	74,264.0	536,166.6
TEN HIGHEST SHARE OF TOTAL	75%	55%	72%

SOURCE: FY 1996 Navigation Cost Recovery Data Base System (NCRDBS) Report, USACE, Institute for Water Resources

TABLE II-8 NAVIGATION OF O&M EXPENDITURES* FOR THE TEN HIGHEST COST FUEL TAX WATERWAYS FY 1991-96 (\$1,000)

					i jesti Grad	AVG.	EST.	
NAME	1991	1992	1993	1994	1995	1991-95	1996	1996
Upper Mississippi	83,247.0	86,353.0	82,349.4	95,441.1	94,061.0	88,290.3	82,458.7	88,591.8
Lower Mississippi	64,431.0	74,070.0	48,593.0	59,340.7	58,406.4	60,968.2	61,284.0	49,180.0
Ohio	40,377.0	44,651.0	44,160.2	55,736.3	59,336.5	48,852.2	59,049.0	57,047.1
Gulf Intracoastal (GIWW)	29,886.0	37,219.0	33,602.1	40,124.1	46,265.8	37,419.4	41,972.0	36,234.9
Arkansas	24,581.0	24,937.0	23,981.8	27,912.3	27,817.9	25,846.0	30,132.0	27,186.8
Atlantic Intracoastal (AIWW)	19,086.0	20,511.0	17,388.0	18,783.0	16,270.8	18,407.8	24,562.0	26,361.9
Illinois	15,758.0	17,149.0	15,272.2	19,368.5	19,489.9	17,407.5	22,001.0	21,934.8
Tennessee-Tombigbee	11,964.0	19,204.0	15,265.7	17,457.5	16,335.8	16,045.4	16,742.0	15,776.1
Black Warrior-Tombigbee	8,169.0	14,840.0	13,927.6	16,647.8	17,450.9	14,207.1	15,144.0	15,083.5
Monongahela	11,644.0	12,268.0	12,990.1	15,898.8	12,962.3	13,152.6	16,709.6	14,156.4
SUBTOTAL: Ten Highest	309,143.0	351,202.0	307,530.1	366,710.2	368,397.3	340,596.5	370,054.3	351,553.3
TOTAL: All Waterways	381,924.1	453,764.8	396,923.3	481,562.7	489,090.7 440,653.1	440,653.1	493,090.7	475,960.0

^{*} Costs include construction costs for dikes and revetments in the Mississippi River and Tributaries (MR&T) account, where such work is comparable to similar work funded by O&M. In FY 1996 MR&T dike and revetment navigation recoverable costs totaled \$23,081,500.

SOURCE: Navigation Cost Recovery Data Base System (NCRDBS) Reports, FY 1977-1996, USACE, Institute for Water Resources

Only three waterways showed clear, significant increases in O&M expenditures from FY 1991-93 to FY 1994-96. This would be true even if the data were in constant rather than actual dollars. On the Illinois average costs rose 26 percent and \$4.2 million from the beginning to the end of the period. The Ohio experienced the steepest increase of all, up 33 percent and \$14 million between FY 1991-93 and FY 1994-96.

The four most expensive waterways are all over 600 miles long, but their number of lock sites, the chamber sizes, and age and condition of the facilities vary considerably within each segment. The Lower Mississippi has no locks, the GIWW has only 12 lock sites or approximately one site per 100 miles, the Ohio has 20 sites or two per 100 miles, and the Upper Mississippi has 28 lock sites or about four per 100 miles. The Ohio River generally has more than one chamber at each lock site and its main chambers are generally 1200 feet long. In contrast, locks on the Upper Mississippi are mostly 600 feet long. Most Ohio River locks date from the 1950s and 1960s, but those on the Upper Mississippi date from the 1930s.

While the annual O & M costs for the Upper Mississippi are about 1.8 times greater than those for the Ohio, the ratio of the cost per lock site is only 1.3 to 1.0. The somewhat higher cost per lock site may be explained by the age and condition as well as dredging costs. Dredging costs on the Ohio were only ten percent of the navigation O & M costs in FY 1996, but the NCRDBS does not have a comparable breakout for the Upper Mississippi. Waterway system navigation dredging costs accounted for 14.9 percent of total navigation O&M costs in FY 1992 according to a preliminary detailed cost analysis. Note that dredging on the Missouri and White Rivers was not charged to navigation.

2.7 Navigation O&M Project Performance

The above discussion of navigation operation and maintenance expenditures has focused solely on the costs themselves and not on any outcome oriented measures of performance based on project utilization or efficiency. Such measures involve relating project costs to benefits or, in the absence of benefit data, other project outputs that reflect use, such as tons or ton-miles of traffic, the value of the cargo traffic, vessel traffic, or lockage and lock hardware cycles.

Navigation program and project performance measures have been fully addressed in several other reports completed recently or forthcoming later this year, including a major effort by the Corps Headquarters Directorate of Civil Works - Operations, Construction and Readiness Division on potential cost savings within the overall O&M program, and several other studies sponsored by the Civil Works Policy Analysis and Review Division (see references).

However, for the purpose of ready reference, some general information on navigation project performance has been included herein. Appendices I, J and K each include alphabetical listings of Corps navigation projects that match O&M expenditures and waterborne commerce data at the project level or by waterway segment. Appendix I includes data for 305 deep draft projects; Appendix J presents information on 733 shallow draft (not subject to inland waterway fuel tax) projects; and, Appendix K presents data on 28 inland waterway segments.

The O&M costs displayed in Appendices I, J and K were extracted from the Corps NCRDBS for the years (FY's) 1990-1994. Average annual O&M costs for port (deep draft) and harbor (shallow draft non-fuel taxed) projects were computed based on the eighteen year period FY 1977-1994. This average annual cost is presented in 1994 dollars, based on the use of the Dredging Cost Index developed by the Institute's Policy and Special Studies Division and based on IWR's Analysis of Dredging Quantities and Costs (FY 1963-1996). The average annual O&M costs for inland waterway segments was computed on the five year period FY 1990-1994.

Waterborne commerce data is presented in units of tons for port projects (Appendix I) and shallow draft non-fuel taxed harbors (Appendix J) and in ton-miles for the fuel taxed inland waterways (Appendix K). The list of port and harbor projects has not been screened to identify entrance or connecting channel projects where no tonnages are reported by WCSC because commodities are not loaded or unloaded within these project boundaries. Nevertheless, such projects are essential to the viability of many of the Nation's ports and harbors.

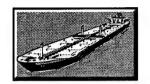
For ports and harbors the waterborne commerce tonnages displayed within Appendices I and J are for the period FY 1992-1994 with the average annual tons computed for this three year time frame. The ton-mile data for the inland waterway segments (Appendix K) is based on a five year (FY 1990-1994) average. While this ton-mile data for waterway segments is considered uniformly representative, the data for some low tonnage port and harbor projects, particularly those which primarily service commercial fishing or serve as a home port for a fishing fleet, may be seriously understated since much commercial fishing activity is unreported. Furthermore, the Corps only directly collects a very small amount of the national fishing data (most is collected by the National Marine Fisheries Service at the county level, and later proportionally disaggregated to the port or waterway level by WCSC) with the result that the scarce data that does exist is not considered uniformly reliable. Likewise, the tonnages for some subsistence ports which provide the only viable means of transporting cargo for populations in Alaska, Hawaii and the island territories may also be understated because of unreliable data for fishing activities.

Some general system-wide observations about project performance can be made based on this data as long as the caveats discussed above are kept in mind. A summary of the results appears on the next page (see Appendices I-K for complete details for each project). As can be seen from the summary, about 83% of the deep draft projects reported traffic during 1992-1994, and about 85% had O&M costs, 1977-1994. The overall portfolio averages about 16.5 cents-perton. The median O&M cost-per-ton of 55 cents is based on only those projects that had both O&M costs and reported traffic (232 projects). Even so, this median is indicative of a distribution of project costs-per-ton that includes a great number of projects above the average of 16.5 cents. Within the deep draft inventory, the group of 79 highest cost projects (average annual O&M > \$1 million) generally perform well with an average cost-per-ton only slightly above that for the overall category (19.9 versus 16.5 cents). Most of these 79 projects have relatively high traffic levels and low or moderate O&M cost-per-ton ratios, with the LA/Long Beach project having the lowest ratio at 1.25 cents per ton. Nevertheless, even some projects in this group do have relatively less reported traffic, resulting in very high cost-per-ton ratios.

	Deep Draft	Shallow Draft	Inland Waterway
	Port Projects	Harbor Projects	Segments
No. of Projects/Segments in Inventory	305	733	28
No.with Zero Avg. Annual O&M (1977-94)	46	324	0
No. with Avg. Annual O&M > Zero	259	409	28
No. With Avg. Annual O&M > \$1 Million	79	11	26
Total Average Annual O&M \$4	05,536,000	\$57,412,000 \$	423,114,000
Avg. Annual O&M per Project/Segment \$	1,566,000	\$ 140,400 \$	5 15,111,000
No. Projects/Segments with Zero			
Tons Reported (1990-1994)	52	416	0
No. Projects with Tons Reported			
(1990-1994)	253	317	28
Avg. Annual Project/Segment O&M Cost	16.5 cents/	46.5 cents/	0.16 cents/
per Ton (Project) or Ton-Mile (Segment)	ton	ton	ton-mile
Median Annual Project/Segment O&M	54.9 cents/	90.5 cents/	0.89 cents/
Cost per Ton or Ton-Mile	ton	ton	ton-mile
O&M Cost per Ton or Ton-Mile for Projects	19.9 cents/	1.20 dollars/	0.16 cents/
with > \$ 1 Million Avg. Annual O&M	ton	ton	ton-mile

As an overall group the shallow draft harbors tend to possess both lower annual O&M and traffic levels. Only about 43% of the shallow draft projects reported traffic during 1992-1994, although O&M frequency (almost 45% of the projects have had no O&M 1977-1994) and the average annual O&M per project (\$140,400) are much less than in the deep draft inventory. The overall shallow draft portfolio averaged 46.5 cents-per-ton, about 30 cents more than the deep draft category. With a median O&M cost- per-ton of 90.5 cents the performance distribution of the shallow draft group is also skewed by a significant number of high cost-per-ton projects. Only 11 projects have average annual O&M costs exceeding \$1 million, with nine of these expending between \$1-2 million annually and the highest averaging \$4.2 million per year. Unlike the deep draft portfolio, these highest cost projects generally have higher cost-per-ton ratios, with the group of 11 averaging about \$1.20 per ton. Again, however, many of the Corps shallow draft projects undoubtably have substantial un-reported commercial fishing and recreation activity.

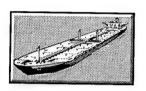
Performance on the waterways system is not directly comparable to port and harbors because O&M costs are aggregated by waterway segment, and traffic data is measured in ton-miles as a more meaningful utilization indicator. The overall cost-per-ton-mile for the system is 0.16 cents. The ten highest cost waterways have very low to moderate costs-per-ton-mile, and none are high cost per ton-mile, including the Lower and Middle Mississippi River, the Ohio River, and the GIWW segments . Although many of the remaining 18 waterways have relatively lower annual average O&M costs, their often relatively modest traffic levels result in only moderate to very high costs-per-ton-mile.



Navigation Operation and Maintenance: Expenditures for Harbors and Waterways Fiscal Year 1996

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- U.S. Office of Management and Budget, <u>President's Budget Request, Fiscal Year 1996</u>, January 1995.



Navigation Operation and Maintenance: Expenditures for Harbors and Waterways Fiscal Year 1996

APPENDIX A - Deep Draft Navigation Projects, Navigation Cost Recovery Analysis by <u>Segment</u>, O&M Expenditures for FY 1996 (Actual).

TABLE 1D

	DIV	*****	NAVIGATION	ОТНЕЯ	JOINT	RECOVERY	/ PROJECT	CWIS
4ME	DIST	IOTAL A	ALLOC/SPEC	ALLOC/SPEC	USE	AMOUNT	TYPE	NO
MISS R-B RGE TO GULF LA	LMN	38460.69	38460.69	0.00	0.00	38460.69	SINGLE PUR NAV	89
ATCH R MORGAN CTY-GULF LA	LMN	8250.25	8250.25	0.00	0.00	8250.25	SINGLE PUR NAV	680
	SWG	673.91	673.91	0.00	00.00	673.91	SINGLE PUR NAV	1990
CALCASIEU R PASS LA	NW.	8707.58	8707.58	0.00	0.00	8707.58	SINGLE PUR NAV	2440
CH TO FT BOLIVAR TX	SWG	0.00	0.00	0.00	00'0	0.00	SINGLE PUR NAV	2930
	SWG	5947.44	5947.44	0.00	00'0	5947.44	SINGLE PUR NAV	6170
GALVESTON HBR CH TX	SWG	321.20	321.20	0.00	0.00	321.20	SINGLE PUR NAV	6340
HOUMA NAV CANAL LA	LMN	1643.83	1643.83	0.00	0.00	1643.83	SINGLE PUR NAV	7760
HOUSTON SHIP CHNL	SWG	4305.67	4305.67	0.00	0.00	4305.67	SINGLE PUR NAV	7780
CHANNEL TO RED BLUFF, TX	SWG	151.61	151.61	0.00	0.00	151.61	SINGLE PUR NAV	8213
7.5 MCY STANDBY TIME	LWI	00'0	00'0	0.00	0.00	0.00	SINGLE PUR NAV	8236
MATAGORDA SHIP CHNL TX	SWG	3844.89	3844.89	0.00	0.00	3844.89	SINGLE PUR NAV	10810
MERMENTAU RIVER LA	LM	3180.31	3180.31	0.00	0.00	3180.31	MULTI WO ALLOC	11030
MISS R-GULF OUTLET LA	LW	17004.48	17004.48	0.00	0.00	17004.48	SINGLE PUR NAV	11410
CORPUS CHRISTI CH TX	SWG	2876.19	2876.19	0.00	0.00	2876.19	SINGLE PUR NAV	14340
SABINE-NECHES WW TX	SWG	17118.47	17118.47	0.00	0.00	17118.47	SINGLE PUR NAV	15780
	SWG	1640.88	1640.88	00'0	0.00	1640.88	SINGLE PUR NAV	18130
BAYPORT SHIP CHANNEL	SWG	2438.66	2438.66	0.00	0.00	2438.66	SINGLE PUR NAV	88910
GREENS BAYOU CHANNEL, TX	SWG	0.23	0.23	0.00	0.00	0.23	SINGLE PUR NAV	88911
BARBOUR TERMINAL SHIP CNL	SWG	-75.33	-75.33	0.00	0.00	-75.33	SINGLE PUR NAV	88912
		116490.96	116490.96	90.0	0.00	116490.96		

BAYOU LABATRE AL	SAM	39.72	39.72	0.00	0.00	39.72	SINGLE PUR NAV	1120
CHARLOTTE HARBOR FL	SAJ	94.47	94.47	0.00	0.00	94.47	SINGLE PUR NAV	3000
GULFPORT HARBOR MS	SAM	1643.96	1643.96	0.00	0.00	1643.96	SINGLE PUR NAV	7150

TABLE 1D
DEEP DRAFT NAVIGATION PROJECTS

OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000) NAVIGATION COST RECOVERY ANALYSIS BY SEGMENT FY 1996 (ACTUAL)

SEG	PROJECT NAME	DIV/ DIST	N, TOTAL AI	NAVIGATION ALLOC/SPEC	OTHER ALLOC/SPEC	JOINT	RECOVERY AMOUNT	PROJECT TYPE	CWIS
2	MOBILE HBR AL	SAM	20344.11	20344.11	0.00	0.00	20344.11	SINGLE PUR NAV	11670
2	PANAMA CITY HBR FL	SAM	706.19	706.19	0.00	0.00	706.19	SINGLE PUR NAV	13640
ស	PASCAGOULA HBR MS	SAM	1644.91	1644.91	0.00	0.00	1644.91	SINGLE PUR NAV	13680
വ	PENSACOLA HBR FL	SAM	0.30	0.30	0.00	0.00	0:30	SINGLE PUR NAV	13830
ß	PT ST. JOE HBR FL	SAM	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV	14390
Ŋ	TAMPA HARBOR FL	SAJ	3099.52	3099.52	0.00	0.00	3099.52	SINGLE PUR NAV	17960
ß	ST. PETERSBURG HBR FL	SAJ	38.87	38.87	0.00	0.00	38.87	SINGLE PUR NAV	74390
ß	CARRABELLE HARBOR FL	SAM	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV	76018
S			27512.05	27612.05	0.00	0.00	27612.05		
54	GT SODUS BAY HBR NY	NCB	293.84	293.84	0.00	0.00	293.84	SINGLE PUR NAV	6860
24	LITTLE SODUS BAY HBR NY	NCB	219.49	219.49	0.00	0.00	219.49	SINGLE PUR NAV	9970
24	OSWEGO HBR NY	NCB	393.56	393.56	0.00	0.00	393,56	SINGLE PUR NAV	13440
24	ROCHESTER HBR NY	NCB	37.43	37.43	0.00	0.00	37.43	SINGLE PUR NAV	15390
24			944,32	544,32	000	000	944,32		
č		0	770 40	A70 AC	o c		A78 A6	CINC. E DIIB NAV	650
3 1	ASH I ABOUTA HON ON		01.034	01:071	00.0	000	25.45.54	SINCLE DID NAV	1660
8	BL ROCK CH TONAWANDA HBR	SCB	3546.51	3546.51	0.00	0.00	3346.51	SINGLE PUR NAV	0001
52	BUFFALO HBR NY	NCB	613.47	613.47	0.00	0.00	613.47	SINGLE PUR NAV	2140
52	CLEVELAND HBR OH	NCB	5440.47	5440.47	0.00	0.00	5440.47	SINGLE PUR NAV	3430
52	CONNEAUT HBR OH	NCB	649.44	649.44	0.00	0.00	649.44	SINGLE PUR NAV	3770
22	DETROIT RVR MI	NCE	4980.58	4980.58	0.00	0.00	4980.58	SINGLE PUR NAV	4710
52	ERIE HBR PA	NCB	895.61	895.61	0.00	0.00	895.61	SINGLE PUR NAV	2600
52	FAIRPORT HBR OH	NCB	329.96	329.96	.000	0.00	329.96	SINGLE PUR NAV	2260
52	HURON HBR OH	NCB	1229.99	1229.99	0.00	0.00	1229.99	SINGLE PUR NAV	7920

TABLE 1D

NAVIGATION COST RECOVERY ANALYSIS BY SEGMENT OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000) FY 1996 (ACTUAL) **DEEP DRAFT NAVIGATION PROJECTS**

CWIS	10060	11760	15590	16260	18280	20600			1110	2940	7300	17300	17380	44064	57420	74203		2250	2410	2990	3810	6130	0299	6671
PROJECT TYPE	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV			SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	MULTI WO ALLOC	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV		SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV
RECOVERY	2089.37	155.35	102.57	109.76	2973.53	262.10	23807.17		3.53	127.39	3.04	812.18	11752.84	8.72	1831.01	3.75	14542.46	890.81	571.70	223.25	370.09	3.07	1262.81	64.20
JOINT	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	3778.40	0.00	0.00	0.00	3778.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER ALLOC/SPEC	0.00	0.00	0.00	0.00	0.00	0.00	000		0.00	0.00	0.00	0.00	2477.20	0.00	0.00	0.00	2477.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NAVIGATION ALLOC/SPEC	2089.37	155.35	102.57	109.76	2973.53	262.10	23807.17	į	3.53	127.39	3.04	812.18	11375.00	8.72	1831.01	3.75	14164.62	890.81	571.70	223.25	370.09	3.07	1262.81	64.20
N. TOTAL AI	2089.37	155.35	102.57	109.76	2973.53	262.10	23807.17		3.53	127.39	3.04	812.18	17630.60	8.72	1831.01	3.75	20420.22	890.81	571.70	223.25	370.09	3.07	1262.81	64.20
DIV/ DIST	NCB	NCE	NCE	NCB	NCB	NCB		9	2	NCE	NCE	NCE	NCE	NCE	NCE	NCE		NCC	NCC	NCE	NCC	NCE	NCE	NCE
PROJECT NAME	LORAIN HBR OH	MONROE HBR MI	ROUGE RVR MI	SANDUSKY HBR OH	ТОСЕДО НВЯ ОН	DUNKIRK HBR NY			DLACK RIVER-FOR HURON RVR	CHS-LKE ST CLAIR MI	HARBOR BEACH HBR MI	ST CLAIR RVR MI	ST MARYS R MI	SAGINAW RIVER DIKE DISPOSL	SAGINAW RVR MI	CHEYBOYGAN HBR MI		BURNS WW HBR IN	CALUMET HBR RIL	CHARLEVOIX HBR MI	CHICAGO RVR IL	FRANKFORT HBR MI	GD HAVEN HBR MI	GRAND HAVEN HBR MIT SHR DM
SEG	25	52	52	52	52	25	52		97	5 8	56	5 8	56	58	56		58	27	27		27 (27	27 (27 (

TABLE 1D

OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000) FY 1996 (ACTUAL) NAVIGATION COST RECOVERY ANALYSIS BY SEGMENT **DEEP DRAFT NAVIGATION PROJECTS**

		€	NO 10 10 10 10 10 10 10 10 10 10 10 10 10	HHIO		HECOVERY	HOSECI	2
PROJECT NAME	DIST	TOTAL		ALLOC/SPEC	USE	AMOUNT	TYPE	ON
GREEN BAY HBR WI	NCE	1515.67	1515.67	0.00	0.00	1515.67	SINGLE PUR NAV	6910
HOLLAND HARBOR MI	NCE	530.20	530.20	0.00	0.00	530.20	SINGLE PUR NAV	7610
HOLLAND HBR MIT SHR DAM MI	NCE	56.00	56.00	0.00	0.00	26.00	SINGLE PUR NAV	7611
KENOSHA HARBOR WI	NCE	47.90	47.90	0.00	0.00	47.90	SINGLE PUR NAV	8910
LUDINGTON HARBOR MI	NCE	349.77	349.77	0.00	0.00	349.77	SINGLE PUR NAV	10270
ANISTEE HARBOR MI	NCE	277.03	277.03	0.00	0.00	277.03	SINGLE PUR NAV	10480
IANITOWOC HBR WI	NCE	120.78	120.78	00.00	0.00	120.78	SINGLE PUR NAV	10510
IICHIGAN CTY HBR IN	NCC	613.88	613.88	00.00	0.00	613.88	SINGLE PUR NAV	11060
IILWAUKEE HBR WI	NCE	4247.21	4247.21	0.00	0.00	4247.21	SINGLE PUR NAV	11270
MUSKEGON HBR MI	NCE	681.62	681.62	0.00	0.00	681.62	SINGLE PUR NAV	12060
IUSKEGON HARBOR MITIGATION	NCE	168.78	168.78	0.00	0.00	168.78	SINGLE PUR NAV	12061
ENTWATER HBR MI	NCE	421.19	421.19	0.00	0.00	421.19	SINGLE PUR NAV	13850
PT WASHINGTON HBR WI	NCE	1.35	1.35	0.00	0.00	1.35	SINGLE PUR NAV	14420
ST JOSEPH HBR MI	NCE	801.97	801.97	0.00	0.00	801.97	SINGLE PUR NAV	17350
T. JOSEPH HBR MIT SHR DAM	NCE	719.03	719.03	0.00	0.00	719.03	SINGLE PUR NAV	17351
TURGEON B & L MICH CAN, WI	NCE	117.97	117.97	0.00	0.00	117.97	SINGLE PUR NAV	17660
NDIANA HBR IN	NCC	486.19	486.19	0.00	0.00	486.19	SINGLE PUR NAV	18120
TWO RVRS HBR WI	NCE	1103.45	1103.45	0.00	0.00	1103.45	SINGLE PUR NAV	18710
WAUKEGAN HBR IL	NCC	644.95	644.95	0.00	0.00	644.95	SINGLE PUR NAV	19560
WHITE LAKE HBR MI	NCE	107.78	107.78	0.00	0.00	107.78	SINGLE PUR NAV	19810
PORTAGE LAKE HBR MI	NCE	130.34	130.34	0.00	0.00	130.34	SINGLE PUR NAV	21530
OCONTO HBR WI	NCE	0.74	0.74	0.00	0.00	0.74	SINGLE PUR NAV	23370
CHICAGO HBR IL	NCC	5405.14	5405.14	0.00	0.00	5405.14	SINGLE PUR NAV	42009
MENOMINEE HBR MI	NCE	26.41	26.41	0.00	0.00	26.41	SINGLE PUR NAV	45044
SHEBOYGAN HBR WI	NCE	87.17	87.17	0.00	0.00	87.17	SINGLE PUR NAV	00299
	MANISTEE HARBOR MI MANITOWOC HBR WI MICHIGAN CTY HBR IN MILWAUKEE HBR WI MUSKEGON HBR MI MUSKEGON HBR MI PT WASHINGTON HBR WI ST JOSEPH HBR MI CHCH CAN, WI INDIANA HBR IN TWO RVRS HBR WI WAUKEGAN HBR IL WHITE LAKE HBR MI OCONTO HBR WI CHICAGO HBR IL MENOMINEE HBR MI CHICAGO HBR IL MENOMINEE HBR MI SHEBOYGAN HBR WI	WITIGATION N N N N N N N N N N N N N N N N N N	MITIGATION NCE NCE NCE NCE NCE NCE SHR DAM NCE NCC NCC NCC NCC NCC NCC NCC NCC NCC	NCE 277.03 NCE 120.78 NCE 613.88 NCE 4247.21 4 NCE 681.62 NCE 681.62 WI NCE 168.78 NCE 421.19 NCE 421.19 NCE 117.97 HR DAM NCE 719.03 H CAN,WI NCE 117.97 NCC 644.95 NCC 644.95 NCE 130.34 NCE 130.34 NCE 130.34 NCE 26.41 NCE 26.41	NCE 277.03 277.03 NCE 120.78 120.78 0 NCE 4247.21 4247.21 0 NCE 4247.21 4247.21 0 NCE 681.62 681.62 0 MITIGATION NCE 168.78 0 0 MI NCE 421.19 421.19 0 NCE 421.19 421.19 0 0 SHR DAM NCE 801.97 801.97 0 HR DAM NCE 117.97 117.97 1 HCAN,WI NCE 1103.45 110.03 0 HCAN,WI NCE 1103.45 1103.45 0 NCC 644.95 644.95 644.95 0 NCE 107.78 107.78 0 NCE 130.34 130.34 0 NCE 26.41 5405.14 0 NCE 26.41 87.17 NCE 26.41 87.17 <th>NCE 277.03 277.03 0.00 0 NCE 120.78 120.78 0.00 0 NCC 613.88 613.88 0.00 0 NCE 4247.21 4247.21 0.00 0 NCE 168.78 681.62 0.00 0 WI NCE 1.35 1.35 0.00 0 WI NCE 1.35 1.35 0.00 0 SHR DAM NCE 1.35 0.00 0 0 ACAN,WI NCE 117.97 117.97 0.00 0 ACAN,WI NCE 110.345 1103.45 0.00 0 NCE 1103.45 1103.45 0.00 0 0 NCE 130.34 130.34 0.00 0 0 0 NCE 130.34 130.34 0.00 0 0 0 0 NCE 130.34 130.34 0.00 0 0 <</th> <th>NCE 277.03 277.03 0.00 0.00 NCE 120.78 120.78 0.00 0.00 NCE 613.88 613.88 0.00 0.00 NCE 4247.21 4247.21 0.00 0.00 NCE 4247.21 681.62 0.00 0.00 NCE 183.78 168.78 0.00 0.00 WI NCE 421.19 0.00 0.00 WI NCE 1.35 1.35 0.00 0.00 SHR DAM NCE 719.03 719.03 0.00 0.00 HT DAN NCE 117.97 117.97 0.00 0.00 HAR DAM NCE 1103.45 1103.45 0.00 0.00 HC AN,WI NCE 1103.45 0.00 0.00 0.00 NCC 486.19 644.95 0.00 0.00 0.00 NCE 107.78 0.00 0.00 0.00 NCE 130.34</th> <th>NCE 277.03 277.03 0.00 0.00 277.03 S NCE 120.78 120.78 0.00 0.00 120.78 5 NCE 4247.21 4247.21 0.00 0.00 613.88 5 NCE 4247.21 4247.21 0.00 0.00 4247.21 5 NCE 681.62 681.62 0.00 0.00 4247.21 5 NCE 163.78 163.78 0.00 0.00 681.62 5 WI NCE 421.19 421.19 0.00 0.00 421.19 5 WI NCE 421.19 421.19 0.00 0.00 421.19 5 WI NCE 421.19 421.19 0.00 0.00 421.19 5 HABAM NCE 117.97 117.97 117.97 0.00 0.00 117.97 117.97 HCAN,WI NCE 1103.45 1103.45 0.00 0.00 117.97</th>	NCE 277.03 277.03 0.00 0 NCE 120.78 120.78 0.00 0 NCC 613.88 613.88 0.00 0 NCE 4247.21 4247.21 0.00 0 NCE 168.78 681.62 0.00 0 WI NCE 1.35 1.35 0.00 0 WI NCE 1.35 1.35 0.00 0 SHR DAM NCE 1.35 0.00 0 0 ACAN,WI NCE 117.97 117.97 0.00 0 ACAN,WI NCE 110.345 1103.45 0.00 0 NCE 1103.45 1103.45 0.00 0 0 NCE 130.34 130.34 0.00 0 0 0 NCE 130.34 130.34 0.00 0 0 0 0 NCE 130.34 130.34 0.00 0 0 <	NCE 277.03 277.03 0.00 0.00 NCE 120.78 120.78 0.00 0.00 NCE 613.88 613.88 0.00 0.00 NCE 4247.21 4247.21 0.00 0.00 NCE 4247.21 681.62 0.00 0.00 NCE 183.78 168.78 0.00 0.00 WI NCE 421.19 0.00 0.00 WI NCE 1.35 1.35 0.00 0.00 SHR DAM NCE 719.03 719.03 0.00 0.00 HT DAN NCE 117.97 117.97 0.00 0.00 HAR DAM NCE 1103.45 1103.45 0.00 0.00 HC AN,WI NCE 1103.45 0.00 0.00 0.00 NCC 486.19 644.95 0.00 0.00 0.00 NCE 107.78 0.00 0.00 0.00 NCE 130.34	NCE 277.03 277.03 0.00 0.00 277.03 S NCE 120.78 120.78 0.00 0.00 120.78 5 NCE 4247.21 4247.21 0.00 0.00 613.88 5 NCE 4247.21 4247.21 0.00 0.00 4247.21 5 NCE 681.62 681.62 0.00 0.00 4247.21 5 NCE 163.78 163.78 0.00 0.00 681.62 5 WI NCE 421.19 421.19 0.00 0.00 421.19 5 WI NCE 421.19 421.19 0.00 0.00 421.19 5 WI NCE 421.19 421.19 0.00 0.00 421.19 5 HABAM NCE 117.97 117.97 117.97 0.00 0.00 117.97 117.97 HCAN,WI NCE 1103.45 1103.45 0.00 0.00 117.97

TABLE 1D

SEG NO	PROJECT NAME	DIV/	NA TOTAL AL	NAVIGATION ALL OCISPEC	OTHER	TOINT	RECOVERY	PROJECT	CWIS
27	WHITE LK HBR MIT SHR DAM	NCE	စ္က	210.09	0.00	00:00	210.09	SINGLE PUR NAV	74176
27	GREEN BAY HBR DIKE DISP WI	NCE	144.28	144.28	0.00	0.00	144.28	SINGLE PUR NAV	74180
27	KEWAUNEE HARBOR WI	NCE	240.32	240.32	0.00	0.00	240.32	SINGLE PUR NAV	76050
12			22643 14	22643.14	0.00	9,00	22643.14		
78	ASHLAND HBR MI	NCE	4.55	4.55	0.00	0.00	4.55	SINGLE PUR NAV	630
78	DULUTH-SUPERIOR MN	NCE	3264.30	2750.90	513.40	0.00	2750.90	SINGLE PUR NAV	5050
78	KEWEENAW WW MI	NCE	481.96	481.96	0.00	0.00	481.96	SINGLE PUR NAV	8960
78	ONTONAGON HBR MI	NCE	769.35	769.35	0.00	0.00	769.35	SINGLE PUR NAV	13330
78	TWO HBRS MN	NCE	3.27	3.27	0.00	0.00	3.27	SINGLE PUR NAV	18700
78	GRAND MARAIS HBR MI	NCE	8.00	8.00	0.00	00.0	8.00	SINGLE PUR NAV	46064
78	PRESQUE ISLE HBR MI	NCE	0.85	0.85	0.00	0.00	0.85	SINGLE PUR NAV	48012
78	MARQUETTE HBR MI	NCE	1.95	1.95	0.00	0.00	1.95	SINGLE PUR NAV	48013
78	PORT WING HBR WI	NCE	1.03	1.03	0.00	0.00	1.03	SINGLE PUR NAV	74190
88	GRAND MARAIS HBR MN	NCE	2.67	2.67	0.00	0.00	2.67	SINGLE PUR NAV	99871
8			4537 93	4024.53	513.40	0.00	4024.53		
53	ABSECON INLET NJ	NAP	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV	80
8	POTOMAC R BLW WASH DC	NAB	90.82	90.82	0.00	0.00	90.82	SINGLE PUR NAV	294
73	PORTLAND HBR ME	NED	145.45	145.45	0.00	0.00	145.45	SINGLE PUR NAV	367
53	PTSMTH HBR PISTAQUA RIVER	NED	2.71	2.71	0.00	0.00	2.71	SINGLE PUR NAV	512
53	PROVIDENCE R & HBR RI	SE C	124.59	124.59	0.00	0.00	124.59	SINGLE PUR NAV	266
53	SAKONNET HBR RI	SEC	0.16	0.16	0.00	0.00	0.16	SINGLE PUR NAV	268
53	POTOMAC R AT ALEX VA	NAB	36.59	36.59	0.00	0.00	36.59	SINGLE PUR NAV	597
හි	BALT HBR CHS MD & VA	NAB	2541.26	2541.26	0.00	0.00	2541.26	SINGLE PUR NAV	870

TABLE 1D
DEEP DRAFT NAVIGATION PROJECTS

FY 1996 (ACTUAL)

OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000) NAVIGATION COST RECOVERY ANALYSIS BY SEGMENT

SEG		DIV.	N	NAVIGATION	ОТНЕВ	TNIOL	RECOVERY	<u>a.</u>	CWIS
2	PROJECT NAME	DIST	TOTAL A	ALLOC/SPEC	ALLOC/SPEC	USE	AMOUNT	TYPE	ON
59	BALTIMORE HBR DRIFT REMOVL	NAB	378.11	378.11	0.00	0.00	378.11	SINGLE PUR NAV	871
3	BALTIMORE HBR PREV OF OBST	NAB	503.24	503.24	0.00	0.00	503.24	SINGLE PUR NAV	872
53	HAMPTON ROADS DRIFT REMOV	NAO	676.15	676.15	0.00	0.00	676.15	SINGLE PUR NAV	1002
53	BAY RDGE RED HOOK CH NY	NAN	39.50	39.50	0.00	0.00	39.50	SINGLE PUR NAV	1040
83	BOSTON HBR MA	NED	71.77	71.77	0.00	0.00	71.77	SINGLE PUR NAV	1960
53	CAPE COD CNL MA	NED	7299.24	6587.90	711.34	0.00	6587.90	SINGLE PUR NAV	2620
83	CONN RVR BLW HARTFRD	NED	49.91	49.91	0.00	0.00	49.91	SINGLE PUR NAV	3760
8	DEL RVR BETWN PHILA TREN	NAP	3363.17	3363.17	0.00	0.00	3363.17	SINGLE PUR NAV	4550
8	DEL RVR PA NJ PHILA TO S	NAP	20586.48	20586.48	0.00	0.00	20586.48	SINGLE PUR NAV	4570
53	HUDSON R. CHANNEL, NY	NAN	-50.43	-50.43	0.00	0.00	-50.43	SINGLE PUR NAV	7800
83	HUDSON R NY TO ALB(MNT)	NAN	2391.90	2391.90	0.00	0.00	2391.90	SINGLE PUR NAV	7810
53	HUDSON R NY TO ALB(0&C)	NAN	1109.33	1109.33	0.00	0.00	1109.33	SINGLE PUR NAV	7820
8	IWW FM DEL R TO CHPKE B D	NAP	17690.73	17690.73	0.00	0.00	17690.73	SINGLE PUR NAV	8160
23	C&D CAN, ST GEORGES BR DE	NAP	14001.34	14001.34	0.00	0.00	14001.34	SINGLE PUR NAV	8215
29	7.5 MCY STANDBY TIME	NAP	0.00	0.00	0.00	0.00	00'0	SINGLE PUR NAV	8237
83	JAMES RVR VA	NAO	3945.26	3945.26	0.00	0.00	3945.26	SINGLE PUR NAV	8430
83	KENNEBEC RIVER ME	NED	10.39	10.39	0.00	0.00	10.39	SINGLE PUR NAV	8890
53	NEW HVN HBR CONN	NED	0.11	0.11	00.0	0.00	0.11	SINGLE PUR NAV	12380
53	NEW YORK HARBOR NY	NAN	6471.46	6471.46	00'0	0.00	6471.46	SINGLE PUR NAV	12490
8	NEW YORK HBR DRIFT, NY	NAN	4986.70	4986.70	00'0	0.00	4986.70	SINGLE PUR NAV	12500
83	NY NJ CHS NY NJ	NAN	77.24	77.24	0.00	0.00	77.24	SINGLE PUR NAV	12520
83	NWRK B HCKSAK PASS R NJ	NAN	365.26	365.26	0.00	0.00	365.26	SINGLE PUR NAV	12550
8	NORFOLK HBR CHS VA	NAO	6191.46	6191.46	0.00	0.00	6191.46	SINGLE PUR NAV	12801
8	PLYMOUTH HBR MA	NED	1.36	1.36	0.00	0.00	1.36	SINGLE PUR NAV	14200
53	POTOMAC R. DRIFT REMOVL VA	NAB	858.59	858.59	0.00	0.00	858.59	SINGLE PUR NAV	14520

TABLE 1D

	DIV!		NAVIGATION	ОТНЕВ	LNIOP	NEEN NEEN	PROJECT	CAMIES.
DIST	_	TOTAL ,	ALLOC/SPEC	ALLOC/SPEC	USE	AMOUNT	TYPE	? ?
NAN		-126.39	-126.39	0.00	0.00	-126.39	SINGLE PUR NAV	14860
NAO		310.50	310.50	0.00	0.00	310.50	SINGLE PUR NAV	15170
NAP		1916.71	1916.71	0.00	0.00	1916.71	SINGLE PUR NAV	16550
NAN		709.43	709.43	0.00	0.00	709.43	SINGLE PUR NAV	17760
NAB		35.05	35.05	0.00	0.00	35.05	SINGLE PUR NAV	19500
NAP		2057.04	2057.04	0.00	0.00	2057.04	SINGLE PUR NAV	20040
NAN		0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV	21870
NAP		520.16	520.16	0.00	0.00	520.16	SINGLE PUR NAV	22140
NAP		2.41	2.41	0.00	0.00	2.41	SINGLE PUR NAV	24950
NAN		819.85	819.85	0.00	0.00	819.85	SINGLE PUR NAV	41015
NAN		84.38	84.38	0.00	0.00	84.38	SINGLE PUR NAV	41062
NAP		24.30	24.30	0.00	0.00	24.30	SINGLE PUR NAV	43005
NAN		637.47	637.47	0.00	0.00	637.47	SINGLE PUR NAV	54000
NED		124.50	124.50	0.00	0.00	124.50	SINGLE PUR NAV	72611
MED		75.78	75.78	0.00	0.00	75.78	SINGLE PUR NAV	73445
NAO		0:00	00.00	00.00	0.00	0.00	SINGLE PUR NAV	73772
NAO		947.23	947.23	0.00	0.00	947.23	SINGLE PUR NAV	73783
NAO		1205.10	1205.10	0.00	0.00	1205.10	SINGLE PUR NAV	73800
NAO		0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV	73803
NAP		0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV	73836
NAB		8776.74	8776.74	0.00	0.00	8776.74	SINGLE PUR NAV	74955
		112080.11	111368.77	71134	0.00	111368.77		
SAW		0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV	1210
SAS		3398.54	3398.54	00.0	0.00	3398.54	SINGLE PUR NAV	2080

OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000) NAVIGATION COST RECOVERY ANALYSIS BY SEGMENT DEEP DRAFT NAVIGATION PROJECTS FY 1996 (ACTUAL) TABLE 1D

SEG		DIVI	TOTAL	NAVIGATION	OTHER	LNIOP	RECOVERY	PROJECT TYPE	CWIS
	PROJECT NAME	227				-	**************************************		
30	CANAVERAL HARBOR FL	SAJ	2970.54	2970.54	0.00	0.00	2970.54	SINGLE PUR NAV	2520
8	CAPE FEAR R ABOVE WILM NC	SAW	415.10	273.60	141.50	0.00	273.60	SINGLE PUR NAV	2640
8	CHARLESTON HARBOR SC	SAC	3533.45	3533.45	0.00	0.00	3533.45	SINGLE PUR NAV	2980
8	FERNANDINA HARBOR FL	SAJ	1403.25	1403.25	0.00	0.00	1403.25	SINGLE PUR NAV	5840
93	FORT PIERCE HARBOR FL	SAJ	274.30	274.30	0.00	0.00	274.30	SINGLE PUR NAV	6260
9	GEORGETOWN HARBOR SC	SAC	2423.17	2423.17	0.00	0.00	2423.17	SINGLE PUR NAV	6480
စ္က	CHAS HBR REDIVERSN FISH LF	SAC	331.60	331.60	0.00	0.00	331.60	SINGLE PUR NAV	8221
30	SAVANAH HBR LONG TRM MGT	SAS	9.84	9.84	0.00	0.00	9.84	SINGLE PUR NAV	8232
30	JACKSONVILLE HARBOR FL	SAJ	7742.50	7742.50	0.00	0.00	7742.50	SINGLE PUR NAV	8410
8	MOREHD CTY HBR NC	SAW	2313.10	2313.10	0.00	0.00	2313.10	SINGLE PUR NAV	11810
8	PALM BEACH HBR FL	SAJ	0.00	000	0.00	0.00	0.00	SINGLE PUR NAV	13590
8	PALM BEACH HBR FL	SAJ	1613.62	1613.62	0.00	0.00	1613.62	SINGLE PUR NAV	13590
8	PORT ROYAL HARBOR SC	SAC	932.98	932.98	0.00	0.00	932.98	SINGLE PUR NAV	14380
8	SHIPYARD RVR SC	SAC	726.82	726.82	0.00	0.00	726.82	SINGLE PUR NAV	16730
30	WILMINGTON BW NC	SAW	7545.03	7545.03	0.00	0.00	7545.03	SINGLE PUR NAV	20030
30	COOPER R SC	SAC	2824.98	2808.98	16.00	0.00	2808.98	SINGLE PUR NAV	74354
30	MIAMI HBR FL	SAJ	188.11	188.11	0.00	0.00	188.11	SINGLE PUR NAV	74378
99	DARIEN HARBOR, GA	SAS	0.99	0.99	0.00	0.00	0.99	SINGLE PUR NAV	74576
30	SAVANNAH HBR	SAS	14092.57	14092.57	0.00	0.00	14092.57	SINGLE PUR NAV	75085
ဗ	PORT EVERGLADES HBR FL	SAJ	47.67	47.67	0.00	0.00	47.67	SINGLE PUR NAV	76031
36			52788.16	52530.66	157.50	0.00	52630.66		
31	BELLINGHAM HBR WA	NPS	328.31	328.31	0.00	0.00	328.31	SINGLE PUR NAV	1310
ह	EVERETT HBR SNOHOMISH RV	NPS	912.49	912.49	0.00	0.00	912.49	SINGLE PUR NAV	2200
3	LK WASHINGTON SHP CNL WA	NPS	6419.80	5904.50	515.30	0.00	5904.50	SINGLE PUR NAV	9400

OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000) NAVIGATION COST RECOVERY ANALYSIS BY SEGMENT **DEEP DRAFT NAVIGATION PROJECTS FY 1996 (ACTUAL) TABLE 1D**

	CWIS	2000	0260	13970	67240	27000	7000	79205	87153		9	0000	3520	3630	8238	16930	80546		Š	232	3640	4430	0//9	7860	1860	44000
	PROJECT C	, AVA				_					CINCI E DITO NAV					SINGLE PUR NAV 16	MULTI W ALLOC 80			SINGLE FUR NAV					•	CINCLE DIID NAV
	RECOVERY AMOUNT	16.22	756 40			000	200		_	8714.34	666166			2		15.89	6761.80	30731.27	8							778 QB
	JOINT	000		000	00.0	000	0.00	0.00	0.00	000	000	9	8 6	9 6	0.00	0.00	0.00	0.00	9	800	000	8 6	90.0	0.00	0.00	
	OTHER ALLOC/SPEC	0.00	000	0.00	0.00	0.00	0.00	0.00	00.0	515.30	0.00	0.00	000	00:0	00.0	0.00	12370.10	12370.10	000	0.00	00.0	000	000	000	0.00	0.00
	NAVIGATION ALLOC/SPEC	16.22	756.49	70.82	622.60	0.00	2.06	5.32	95.53	871434	6661,66	249.83	17041.83	96 0	04.0	15.89	6761.80	30731,27	0.80	2635,31	0.00	7560.15	2600.45	70 6231	770.00	//8.38
	TOTAL	16.22	756.49	70.82	622.60	0.00	2.06	5.32	95.53	9229.64	6661.66	249.83	17041.83	0.26	45 00	20.0	19131.90	43:01.37	0.80	2635.31	0.00	7560.15	2600 45	1672 07	778 98	00.001
ENIONE.	DIST	NPS	NPS	NPS	NPS	NPS	NPS	NPS	NPS		NPP	NPP	MPP	ddN	QON		MPP		SPL	NPP	SPL	NPS	SPN	Spl	NO	
	PROJECT NAME	OLYMPIA HBR WA	PUGET SOUND ITS TRIB WW	FRIDAY HARBOR	SEATTLE HBR WA	TACOMA HBR WA	LAKE CROCKETT WA	EDIZ HOOK WA	KENMORE NAVIGATION CH		COLUMBIA R AT MOTH OR WA	COL R BTN VNCR DALLES OR	COLMBA LWR WLMTE RVR OR	7.5 MCY STANDBY TIME	SKIPANON CHANNEL OB		BONNEVILLE LOCK DAM OR WA		PORT SAN LUIS CA	COOS BAY OR	DANA POINT HARBOR CA	GRAYS HBR WA	HUMBOLDT HBR BAY CA	MORRO BAY HBR CA	MOSS LANDING HBR CA	
0 3 0	ON.	31	ਲ	3	31	સ	સ	31	સ	3	32	32	35	32	32	3 8	75	ž	33	33	33	33	33	33	33	;

TABLE 1D

SEG	PROJECT NAME	DIV/ DIST	NAN TOTAL ALI	NAVIGATION ALLOC/SPEC	OTHER ALLOC/SPEC	JOINT	RECOVERY AMOUNT	PROJECT TYPE	CWIS
33	OCEANSIDE HBR CA	SPL	317.66	317.66	00.0	0.00	317.66	SINGLE PUR NAV	13080
33	OCEANSIDE HBR SAND-BY-PASS	SPL	655.22	655.22	0.00	0.00	655.22	SINGLE PUR NAV	13085
33	CH IS HBR CA	SPL	1875.33	1875.33	0.00	0.00	1875.33	SINGLE PUR NAV	14360
33	PORT ORFORD OR	NPP	465.94	465.94	0.00	0.00	465.94	SINGLE PUR NAV	14370
33	SANTA BARBARA HBR CA	SPL	1543.58	1543.58	00'0	0.00	1543.58	SINGLE PUR NAV	15730
33	SAN DIEGO-MISSION BAY CA	SPL	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV	15750
33	SAN DIEGO HBR CA	SPL	650.46	650.46	0.00	0.00	650.46	SINGLE PUR NAV	16110
33	SIUSLAW RIVER OR	MPP	394.96	394.96	0.00	0.00	394.96	SINGLE PUR NAV	16860
33	TILLAMOOK BAY BAR OR	MPP	7.21	7.21	0.00	0.00	7.21	SINGLE PUR NAV	18230
33	UMPQUA RIVER OR	MPP	707.81	707.81	0.00	0.00	707.81	SINGLE PUR NAV	18750
33	WILLAPA HBR	NPS	137.33	137.33	0.00	0.00	137.33	SINGLE PUR NAV	19990
33	YAQUINA BAY HBR OR	MPP	1725.48	1725.48	0.00	0.00	1725.48	SINGLE PUR NAV	20290
33	VENTURA HBR CA	SPL	1968.56	1968.56	0.00	0.00	1968.56	SINGLE PUR NAV	24190
33	MARINA DEL REY CA	SPL	1177.23	1177.23	0.00	0.00	1177.23	SINGLE PUR NAV	37690
33	PT HUENEME CA	SPL	68.03	68.03	0.00	0.00	68.03	SINGLE PUR NAV	74656
33	L A AND LONG BEACH HBRS CA	SPL	1001.05	1001.05	0.00	0.00	1001.05	SINGLE PUR NAV	74719
33	NEWPORT HARBOR CA	SPL	140.68	140.68	0.00	0.00	140.68	SINGLE PUR NAV	74720
33	REDONDO BEACH KING HBR CA	SPL	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV	74722
8	LA-LB HARBOR MODEL, CA	SPL	205.60	205.60	0.00	0.00	205.60	SINGLE PUR NAV	76101
33			28289.89	28289.69	0.00	00'0	28289.89		
7	A COULDING NA NA	CDN	723.08	733 08	000	000	733.08	SINGLE PUB NAV	12990
4	CANLAND HON CA	Z L	00.00	00.00	999			No. of the country of	77.70
34	REDWOOD CITY HBR CA	SPN	4700.00	4700.00	0.00	0.00	4700.00	SINGLE PUH NAV	001c1
34	RICHMOND HBR CA	SPN	2264.24	2264.24	0.00	0.00	2264.24	SINGLE PUR NAV	15280
34	SACRAMENTO RVR CA	SPK	1312.12	1312.12	0.00	0.00	1312.12	SINGLE PUR NAV	15870

TABLE 1D

DDO JECT NAME	DIVI	TOTAL		ОТНЕВ	TNIOC	RECOVERY	PROJECT	CWIS
	NdS	2080.35	ALLUC/SPEL A	ALLOC/SPEC	USE 000	AMOUNT	TYPE	Q
SAN FRANCISCO HBR DRFT REM	SPN	2066.07	2066.07	0.00	000	2066.03	SINGLE FUR NAV	16130
	SPK	822.85	822.85	0.00	0.00	822.85	SINGLE PUR NAV	16180
S PABLO BAY MRE IS STR CA	SPN	299.91	299.91	0.00	0.00	299.91	SINGLE PUR NAV	16230
SUISUN BAY CHANNEL CA	SPN	960.82	960.82	0.00	0.00	960.82	SINGLE PUR NAV	17720
	SPN	35.37	35.37	0.00	0.00	35.37	SINGLE PUR NAV	74703
S FRANCISCO BAY DLT MDL CA	SPN	2609.75	1599.75	1010.00	0.00	1599.75	SINGLE PUR NAV	76029
SF BAY LONG TERM MGT STRAT	SPN	711.44	711.44	0.00	0.00	711.44	SINGLE PUR NAV	88920
		18596.00	17586.00	1010.00	0.00	17586 00		
	NPA	-0.50	-0.50	0.00	0.00	-0.50	SINGLE PUR NAV	10169
		-0.50	-0.50	90'0	0.00	0,50		
	NPA	1494.19	1494.19	0.00	0.00	1494.19	SINGLE PUR NAV	360
	NPA	209.01	209.01	0.00	0.00	209.01	SINGLE PUR NAV	72765
	NPA	186.66	186.66	00.0	0.00	186.66	SINGLE PUR NAV	80208
		1889.86	1889.86	000	000	1589.86		
THOMAS BASIN (KETCHIKAN)	NPA	264.22	264.22	0.00	0.00	264.22	SINGLE PUR NAV	53
CRESCENT BAY HARBOR, AK	NPA	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV	16840
WRANGELL NARROWS AK	NPA	-7.05	-7.05	0.00	0.00	-7.05	SINGLE PUR NAV	65015
KETCHIKAN BAR PT HBR, AK	NPA	136.59	136.59	0.00	0.00	136.59	SINGLE PUR NAV	87071
		393.76	393.76	000	000	393.76		
	P00	8.74	8.74	0.00	0.00	8.74	SINGLE PUR NAV	7660

OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000) NAVIGATION COST RECOVERY ANALYSIS BY SEGMENT **DEEP DRAFT NAVIGATION PROJECTS** FY 1996 (ACTUAL) **TABLE 1D**

SIMO	87038	16190	20500	22280	75007		
S Z							
E04	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV		
PROJECT TYPE	GLE PI	GLEP	GLE P	IGLE P	GLEP		
	SIS	S	S	S	S		33
ECOVERY AMOUNT	0.63 9.37	44.28	0.00	0.00	0.00	44.28	1722.
RECOVERY AMOUNT		4		Ū	Ū	4	3778.4 461722.33
	0		0	0	0	0	78.4
JOINT	0.00	0.00	0.00	0.00	0.00	0.00	37
ပ္ပ							1,84
NAVIGATION OTHER ALLOC/SPEC	0.00	00.0	0.00	0.00	00.0	000	17554.84
TO T	0 0	0	0	0	Ü	•	
N N	0,63 9.37	44.28	0.00	0.00	0.00	44.28	64
SATIO CAST	0 0	44	0	0	0	7	461344.49
NAVIGATION ALLOC/SPEC							46
************		œ	0	0	0		7.7
TOTAL	0.63 9.37	44.28	0.00	0.00	0.00	44.28	482877.7
DIV/	POD	SAJ	SAJ	SAJ	SAJ		
ME							
2	A	æ	œ	A PA			JĄ.
OJEC	SAMO	HBH	HBH	EZ HBI	BR PR		0.00
PROJECT NAME	U HBR	N JUA	ARECIBO HBR PR	MAYAGUEZ HBR PR	PONCE HBB PB		GRAND TOTAL
	38 OFU HBR SAMOA 36	39 SAN JUAN HBR PR	39 AF	39 M/	39 PC	5 7	U
SEG NO	ω m	m	m	ന	c		



Navigation Operation and Maintenance: Expenditures for Harbors and Waterways Fiscal Year 1996

APPENDIX B - Shallow Draft Navigation Projects Not
Subject to the Inland Waterway Fuel Tax,
Navigation Cost Recovery Analysis by Segment,
O&M Expenditures for FY 1996 (Actual).

SHALLOW DRAFT NAVIGATION PROJECTS NOT SUBJECT TO THE INLAND WATERWAY FUEL TAX- NAVIGATION COST RECOVERY ANALYSIS BY SEGMENT **OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000)** FY 1996 (ACTUAL) **TABLE 21S**

CWIS	11310	74041	74228	74251	88807	88809	88816	88825	88828		87404		703	7440	7440	9360	13430	20150	20350	22020	33012	87072	87092
PROJECT	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV		SINGLE PUR NAV		SING! F PUB NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV
RECOVERY	264.03	4.94	42.07	16.00	45.00	16.84	23.00	65.97	72.21	50.08	271.45	271.45	147.31	217.92	0.00	203.92	408.32	314.59	0.00	302.37	167.69	142.44	155.10
JOINT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	000	0.00	00.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NAVIGATION	264.03	4.94	42.07	16.00	45.00	16.84	23.00	65.97	72.21	550.05	271.45	271.45	147.31	217.92	0.00	203.92	408.32	314.59	0.00	302.37	167.69	142.44	155.10
TOTAL	264.03	4.94	42.07	16.00	45.00	16.84	23.00	65.97	72.21	990 DSS	271.45	271.45	147.31	217.92	0.00	203.92	408.32	314.59	0.00	302.37	167.69	142.44	155.10
DIV/	NCS	NCB	NCB	NCS	NCS	NCS	NCS	NCR	NCB		LMS		LMK	LMM	LMM	LMK	LMM	LMM	LMK	LMM	LMM	ZW	LMM
3 PROJECT NAME	MINNESC	DAVENPORT SMALL BOAT HBR	ANDALUSIA HBR, IL	MUSCATINE HBR	ST. PAUL SML BT HBR, MN	RED WING COMMERCIAL HBR	WINONA SMALL BOAT HBR	ROCK ISLAND SM BOAT HARBOR	FORT MADISON HAEBOR, IA		SOUTHEAST MO PORT, MS R, MO		MOUTH OF YAZOO RIVER, MS	HELENA HBR AR	HELENA HBR AR	LAKE PROVIDENCE HBR LA	OSCEOLA HBR AR	WOLF RVR HBR TN	YAZOO RIVER MS	STAHR HBR, HICKMAN PORT	NEW MADRID HBR MO	ROSEDALE HBR MS	CARUTHERSVILLE HBR MO
SEG	-	-	-	-	-	-	-	-	-	-	7	N	ო	က	ო	ო	က	က	က	က	က	es.	က

SHALLOW DRAFT NAVIGATION PROJECTS NOT SUBJECT TO THE INLAND WATERWAY FUEL TAX- NAVIGATION COST RECOVERY ANALYSIS BY SEGMENT **OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000)** FY 1996 (ACTUAL) **TABLE 21S**

CWIS	87168	87249	87282	99981	99982	99983	99984		24	S	188	201	202	006	1150	1160	1350	2310	2810	6200	0929	18510	22390	
PROJECT TYPE	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV		SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	MULTI W ALLOC	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	MULTI W ALLOC	SINGLE PUR NAV	SINGLE PUR NAV	
RECOVERY AMOUNT	40.00	133.50	31.63	1930.00	170.00	209.00	405.00	4978.79	0.00	1870.38	18.52	1.40	63.23	2141.88	173.77	58.58	117.30	8.66	626.82	1664.40	19.90	701.70	0.00	7466.54
JOINT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	000
OTHER ALLOC/SPEC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1615.90	0.00	0.00	0.00	1930.10	0.00	0.00	3546.00
NAVIGATION ALLOC/SPEC	40.00	133.50	31.63	1930.00	170.00	209.00	405.00	4978.79	0.00	1870.38	18.52	1.40	63.23	2141.88	173.77	58.58	117.30	8.66	626.82	1664.40	19.90	701.70	0.00	7466.54
TOTAL	40.00	133.50	31.63	1930.00	170.00	209.00	405.00	4978.79	0.00	1870.38	18.52	1.40	63.23	2141.88	173.77	58.58	1733.20	99.8	626.82	1664.40	1950.00	701.70	0.00	11012.54
DIV/ DIST	LMK	LMK	LWK	LMV	LMV	CMV	LMV		C N	LMN	LWN	LMN	LMN	LMI	LM	LMI	SWF	LMN	SWG	LMN	SWF	SWG	LMN	
PROJECT NAME	MADISON PARISH PORT	CLAIBORNE CO PORT MS	YELLOW BEND PORT, AR	MR&T-MCKELLER LK HBR	MR&T-GREENVILLE HBR	MR&T-VICKSBURG HBR	MR&T-BATON ROUGE HBR		BAYOU SEGNETTE WWY. LA	MISS R OUTLTS VENICE LA	WW IWW TO BAYOU DULAC LA	TICKFAW & NATALBANY	WW FM EMPIRE TO GULF LA	BARATARIA BAY WW LA	BAYOU TECH LA	BAYOU TECH VERMILLION R LA	BENBROOK LAKE TX	BYU LAFOURCHE & JUMP WW,LA	CEDAR BAYOU TX	FRESHWATER BAYOU LA	GRAPEVINE LAKE TX	TRINITY RIVER, TX	PETIT ANSE, TIGRE, CARLIN BY	
SEG NO	က	က	က	ო	က	က	က	60	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	*

SHALLOW DRAFT NAVIGATION PROJECTS NOT SUBJECT TO THE INLAND WATERWAY FUEL TAX- NAVIGATION COST RECOVERY ANALYSIS BY SEGMENT **OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000)** FY 1996 (ACTUAL) **TABLE 21S**

CWIS	158	430	1001	1520	2480	3400	4480	4980	5620	2970	6220	7510	9280	12150	13240	13880	17970	20160	20600	20710	23100	23230	74391	74393
PROJECT TYPE	SING! F PIIR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV
RECOVERY AMOUNT	000	93.33	56.15	284.01	89.09	0.00	250.15	1038.91	0.20	102.11	0.50	0.00	00.0	0.00	3765.20	30.41	57.32	00.00	301.33	676.10	10.94	0.00	0.13	38.46
JOINT	000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER ALLOC/SPEC	000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	884.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NAVIGATION ALLOC/SPEC	000	93.33	56.15	284.01	89.09	0.00	250.15	1038.91	0.20	102.11	0.50	0.00	0.00	0.00	3765.20	30.41	57.32	0.00	301.33	676.10	10.94	0.00	0.13	38.46
TOTAL	000	93.33	56.15	284.01	60.68	0.00	250.15	1038.91	0.20	102.11	0.50	0.00	0.00	0.00	4649.20	30.41	57.32	0.00	301.33	676.10	10.94	0.00	0.13	38.46
DIV/ DIST	LMN	SAM	SAJ	SAM	SAJ	SAJ	SAM	SAM	SAM	SAM	SAJ	SAM	SAM	SAJ	SAJ	SAM	LWI	SAM	SAM	SAM	SAJ	SAM	SAJ	SAJ
PROJECT NAME	BAYOU LACOMBE	APALACHICOLA BAY FL	JOHNS PASS, PINELLAS, FL	BILOXI HBR MS	IWW CLCHEE R TO ANLTE R F	CLEARWATER PASS FL	DAUPHIN ISLE BAY AL	EAST PASS CHANNEL FL	ESCAMBIA-CONECUH RV FL AL	FLY CREEK AL	FORT MYERS BEACH FL	PANACEA HBR FL	LA GRANGE BAYOU FL	CH, NAPLES-BIG MARCO FL	OKEECHOBEE WWY, FL	PERDIDO PASS CH AL	TANGIPOHOA RV LA	WOLF & JORDAN RVRS, MS	CADET BAYOU MS	DOG AND FOWL RIVERS, AL	LONGBOAT PASS FL	BLACKWATER RVR FL	SUWANEE RIVER, FL	WITHLACOOCHIE RIVER
SEG NO	5	S	ß	2	2	2	2	ß	ល	ល	2	2	2	2	2	2	S	Ŋ	ß	ស	വ	Ŋ	S	2

SHALLOW DRAFT NAVIGATION PROJECTS NOT SUBJECT TO THE INLAND WATERWAY FUEL TAX- NAVIGATION COST RECOVERY ANALYSIS BY SEGMENT **OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000) FY 1996 (ACTUAL) TABLE 21S**

CWIS	74478	74483	74488	74495	74508	74520	74542	74564	16060	87215		10220	10221	10222	88833			, 2330		8220	12980	44066	
PROJECT TYPE	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV		SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV		On E iii	MULII WO ALLOC		SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV
RECOVERY AMOUNT	4.02	95.27	0.00	99.04	-0.70	12.31	0.00	66.59	35.48	0.00	7077.94	10.66	0.00	1060.34	09:0	1071.60		0.40	6.46	0.00	0.18	4.23	0.23
JOINT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	000	0.00	0.00	0.00	0.00	0.00	9	64.50	54,50	0.00	0.00	00.0	0.00
OTHER ALLOC/SPEC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	634.00	0.00	0.00	0.00	00:0	0.00	,	05.30	62.90	0.00	0.00	0.00	0.00
NAVIGATION ALLOC/SPEC	4.02	95.27	0.00	99.04	-0.70	12.31	0.00	66.59	35.48	0.00	7077.94	10.66	0.00	1060.34	09'0	1071.60		0.00	000	0.00	0.18	4.23	0.23
TOTAL	4.02	95.27	0.00	99.04	-0.70	12.31	0.00	66.59	35.48	0.00	7961.94	10.66	0.00	1060.34	09'0	1071.60	407	06. <i>1</i> 21	127.50	0.00	0.18	4.23	0.23
DIV/ DIST	SAJ	SAJ	SAJ	SAJ	SAJ	SAM	SAM	SAM	SAM	SAJ		ORL	OHH H	ORH S	ORH		1	LIMP		NCB	NCB	NCB	NCB
PROJECT NAME	ANCLOTE RIVER, FL	NEW PASS SARASOTA FL	CRYSTAL RIVER, FL	HORSESHOE COVE, FL	STEINHATCHEE RIVER, FL	BAYOU CODEN AL	ST MARKS R FL	PASS CHRISTIAN HBR MS	BON SECOUR RVR AL	CEDAR ISLAND KEATON BCH FL		LICKING RIVER OPEN CHANNEL	PORTSMOUTH HARBOR	BIG SANDY HARBOR	ELK RIVER HARBOR		74 - Odd40	CADDO LANE LA IX		IRONDEQUOIT BAY, NY	OAK ORCHARD HBR NY	OLCOTT HBR NY	WILSON HBR NY
SEG N	5	ß	2	ιo	s	ιo	ιo	10	ro	ល	t)	5	<u>ჯ</u>	13	5	5	8	3	R	24	24	24	54

SHALLOW DRAFT NAVIGATION PROJECTS NOT SUBJECT TO THE INLAND WATERWAY FUEL TAX- NAVIGATION COST RECOVERY ANALYSIS BY SEGMENT OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000) FY 1996 (ACTUAL) **TABLE 21S**

DIST TOTAL NCB 0.00
NCB 0.00
NCB 62.45
NCB 5.50
NCB 66.40
NCE 29.58
H
NCE 61.26
_
NCE 38.18
NCE -0.40
NCE 97.00
NCE 17
NCE 0.90
NCE 221.72
NCE 0.1
NCE 0.13
NCE 467.91
NCE 0.43

SHALLOW DRAFT NAVIGATION PROJECTS NOT SUBJECT TO THE INLAND WATERWAY FUEL TAX- NAVIGATION COST RECOVERY ANALYSIS BY SEGMENT **OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000) FY 1996 (ACTUAL) TABLE 21S**

SEG NO	PROJECT NAME	DIV/ DIST	TOTAL	NAVIGATION ALLOC/SPEC	OTHER ALLOC/SPEC	JOINT	RECOVERY AMOUNT	PROJECT TYPE	CWIS NO
92			1205.47	1205.47	90'0	000	1205.47		
27	BIG SUAMICO HARBOR	NCE	0.20	0.20	0.00	0.00	0.20	SINGLE PUR NAV	612
27	NEW BUFFALO HBR MI	NCE	359.89	359.89	0.00	0.00	359.89	SINGLE PUR NAV	1020
27	FOX RIVER WI	NCE	2117.30	2117.30	0.00	0.00	2117.30	SINGLE PUR NAV	6610
27	GRAND TRAVERSE HBR MI	NCE	3.57	3.57	0.00	0.00	3.57	SINGLE PUR NAV	6730
27	LAKE MICHIGAN DIVERSION,IL	NCC	406.31	406.31	0.00	0.00	406.31	SINGLE PUR NAV	8218
27	SAUGATUCK HBR MI	NCE	220.81	220.81	0.00	0.00	220.81	SINGLE PUR NAV	16390
27	SOUTH HAVEN HBR MI	NCE	1.70	1.70	0.00	0.00	1.70	SINGLE PUR NAV	17180
27	SOUTH HAVEN HBR MIT SHR DM	NCE	0.04	0.04	0.00	0.00	0.04	SINGLE PUR NAV	17181
27	LELAND HBR MI	NCE	288.80	288.80	0.00	0.00	288.80	SINGLE PUR NAV	46018
27	ARCADIA HBR MI	NCE	124.33	124.33	0.00	0.00	124.33	SINGLE PUR NAV	46063
27	GREILICKVILLE HARBOR, MI	NCE	18.67	18.67	0.00	0.00	18.67	SINGLE PUR NAV	46103
27	ALGOMA HARBOR WI	NCE	205.74	205.74	0.00	0.00	205.74	SINGLE PUR NAV	74177
27	PENSAUKEE HBR WI	NCE	0.03	0.03	0.00	0.00	0.03	SINGLE PUR NAV	74189
27	BURNS WATER WAY SBH	NCC	137.50	137.50	0.00	0.00	137.50	SINGLE PUR NAV	87387
KZ			3884.89	3884.89	0.00	0.00	3884.89		
S		9		Š		0	ć.	L COMO	9
9		2	0.50	0.50	0.00	9.0	0.50	SINGLE FUR NAV	541
88	BLACK R UPR PEN	SCE	1.24	1.24	0.00	0.00	1.24	SINGLE PUR NAV	1640
88	CORNUCOPIA HBR WI	NCE	4.98	4.98	0.00	0.00	4.98	SINGLE PUR NAV	3970
78	LAC LA BELLE HBR MI	NCE	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV	9210
78	LITTLE LAKE HBR MI	Se	69.24	69.24	0.00	0.00	69.24	SINGLE PUR NAV	0686
88	SAXON HBR WI	SCE	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV	16500
88	EAGLE HBR MI	NCE	4.00	4.00	0.00	0.00	4.00	SINGLE PUR NAV	22870

SHALLOW DRAFT NAVIGATION PROJECTS NOT SUBJECT TO THE INLAND WATERWAY FUEL TAX- NAVIGATION COST RECOVERY ANALYSIS BY SEGMENT **OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000)** FY 1996 (ACTUAL) **TABLE 21S**

CWIS	48011	87343		231	339	387	409	421	438	452	209	226	295	285	585	265	909	780	795	920	3540	3560	2080	5220
PROJECT TYPE	SINGLE PUR NAV	SINGLE PUR NAV		SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV
RECOVERY AMOUNT	233.46	90.0	313.48	0.19	79.13	199.99	0.00	53.00	6.15	-0.08	22.82	-8.80	174.95	0.00	119.95	0.00	0.00	0.00	161.68	1211.58	0.00	16.89	763.90	2733.54
JOINT	0.00	0.00	0,00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER ALLOC/SPEC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NAVIGATION ALOC/SPEC	233.46	90'0	313.48	0.19	79.13	19.99	0.00	53.00	6.15	-0.08	22.82	-8.80	174.95	0.00	119.95	0.00	0.00	0.00	161.68	1211.58	0.00	16.89	763.90	2733.54
TOTAL	233.46	90.0	313.48	0.19	79.13	19.99	0.00	53.00	6.15	90.0	22.82	-8.80	174.95	0.00	119.95	00.0	0.00	0.00	161.68	1211.58	0.00	16.89	763.90	2733.54
DIV/	NCS	NCS		NED	NED	NED	NED	NED	NED	NED	NED	NED	NED	NAO	NAO	NAB	NAO	NAO	NAO	NAP	NAP	NED	PE	NAN
PROJECT NAME	WARROAD HBR MN	ZIPPEL BAY SM BOAT HBR, MN		GUILFORD HBR CT	CRIEHAVEN HBR ME	UNION RIVER,ME	CUTTYHUNK HBR MA	HYANNIS HBR MA	ROCKPORT HBR MA	WELLFLEET HBR MA	LITTLE HARBOR, NH	BULLOCKS PT CVE RI	LITTLE NARRAGANSETT BAY	BROAD CREEK VA	CRANES CREEK VA	MONROE BAY CK VA	WHITINGS CREEK, MIDDLE	GREENVALE CK, LANE CO, VA	QUEENS CREEK VA	BARNEGAT INLET NJ	COHANSEY RIVER NJ	COHASSET HBR MA	DUXBURY HBR MA	E ROCKAWAY INLET NY
SEG	78	78	53	83	53	53	53	53	53	53	53	83	53	53	8	53	53	53	53	53	53	83	53	53

SHALLOW DRAFT NAVIGATION PROJECTS NOT SUBJECT TO THE INLAND WATERWAY FUEL TAX- NAVIGATION COST RECOVERY ANALYSIS BY SEGMENT **OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000)** FY 1996 (ACTUAL) **TABLE 21S**

SEG		/AIQ		NAVIGATION	OTHER	JOINE	REGOVERY	PROJECT	Simo
Q.	PROJECT NAME	DIST	TOTAL	ALLOC/SPEC	ALLOC/SPEC	USE	AMOUNT	TYPE	Š
53	CHINCOTEAGUE HBR REFG VA	NAO	66.6	66'6	0.00	0.00	6.99	SINGLE PUR NAV	5841
53	FIRE I INLT TO JONES NY	NAN	250.17	250.17	0.00	0.00	250.17	MULTI WO ALLOC	2880
53	FIVE MILE RIVER, CT	NED	117.90	117.90	0.00	0.00	117.90	SINGLE PUR NAV	5910
53	GREEN HBR MA	NED	229.08	229.08	0.00	0.00	229.08	SINGLE PUR NAV	6920
53	INDIAN RVR INLET BAY DEL	NAP	477.72	477.72	0.00	0.00	477.72	SINGLE PUR NAV	8110
53	IWW REHOBOTH BAY TO DELA	NAP	154.23	154.23	0.00	0.00	154.23	SINGLE PUR NAV	8170
53	WWI CN	NAP	2507.44	2507.44	0.00	0.00	2507.44	SINGLE PUR NAV	8190
53	SESUIT HBR	NED	132.59	132.59	0.00	0.00	132.59	SINGLE PUR NAV	8193
53	KENNEBUNK RVR ME	NED	35.84	35.84	0.00	0.00	35.84	SINGLE PUR NAV	8900
53	KEYPORT HBR NJ	NAN	0.49	0.49	0.00	0.00	0.49	SINGLE PUR NAV	8980
53	LAKE MONTAUK HBR NY	NAN	960.53	960.53	0.00	0.00	960.53	SINGLE PUR NAV	9340
53	LITTLE WICOMICO RVR VA	NAB	37.00	37.00	0.00	0.00	37.00	SINGLE PUR NAV	9980
53	LYNNHAVEN INLET VA	NAO	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV	10310
53	MATAWAN CREEK NJ	NAN	0.80	0.80	0.00	0.00	080	SINGLE PUR NAV	10410
53	MANASQUAN RVR NJ	NAP	324.94	324.94	0.00	0.00	324.94	SINGLE PUR NAV	10450
53	CHINCOTEAGUE BAY VA	NAO	11.73	11.73	0.00	0.00	11.73	SINGLE PUR NAV	10890
53	MILTON HBR NY	NAN	0.03	0.03	0.00	0.00	0.03	SINGLE PUR NAV	11250
53	MURDERKILL RVR	NAP	39.19	39.19	0.00	0.00	39.19	SINGLE PUR NAV	12020
53	NRWS LKE CHAMPLAIN NY VT	NAN	46.33	46.33	0.00	0.00	46.33	SINGLE PUR NAV	12200
53	QUINBY CRK VA	NAO	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV	14770
83	RAPPAHANNOCK R VA	NAO	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV	14850
53	ROYAL RVR ME	SEC	194.84	194.84	0.00	0.00	194.84	SINGLE PUR NAV	15640
53	SACO RVR ME	NED	0.19	0.19	0.00	0.00	0.19	SINGLE PUR NAV	15860
29	SHREWSBURY RVR NJ	NAN	611.26	611.26	0.00	0.00	611.26	SINGLE PUR NAV	16780
23	TUCKERTON CREEK	NAP	5.83	5.83	0.00	0.00	5.83	SINGLE PUR NAV	18580

SHALLOW DRAFT NAVIGATION PROJECTS NOT SUBJECT TO THE INLAND WATERWAY FUEL TAX- NAVIGATION COST RECOVERY ANALYSIS BY SEGMENT **OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000)** FY 1996 (ACTUAL) **TABLE 21S**

SEG NO	PROJECT NAME	VIO DIST	TOTAL	NAVIGATION ALLOC/SPEC	OTHER ALLOC/SPEC	JOINT	RECOVERY AMOUNT	PROJECT TYPE	CWIS
59	WW COAST OF VA	NAO	1371.59	1371.59	0.00	0.00	1371.59	SINGLE PUR NAV	19550
53	HOSKINS CREEK, VA	NAO	324.79	324.79	0.00	0.00	324.79	SINGLE PUR NAV	20920
53	NEWPORT NEWS CREEK	NAO	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV	21640
73	SCARBORO RIVER, ME	NED	36.24	36.24	0.00	0.00	36.24	SINGLE PUR NAV	21800
53	HONGA R TAR BAY MD	NAB	715.48	715.48	0.00	0.00	715.48	SINGLE PUR NAV	22690
29	NORTHEAST RVR MD	NAB	27.74	27.74	0.00	0.00	27.74	SINGLE PUR NAV	27009
29	BLACKWATER RIVER, VA	NAO	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV	27028
53	TANGIER CHANNEL VA	NAO	529.10	529.10	0.00	0.00	529.10	SINGLE PUR NAV	27650
53	APPOMATTOX RIVER VA	NAO	54.81	54.81	0.00	0.00	54.81	SINGLE PUR NAV	30580
53	CHATHAM HBR MA	NED	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV	39001
53	NEWBURYPORT HBR MA	NED	338.83	338.83	0.00	0.00	338.83	SINGLE PUR NAV	39018
53	WELLS HBR ME	NED	32.17	32.17	0.00	0.00	32.17	SINGLE PUR NAV	39023
53	JOSIAS R ME	NED	1.91	1.91	0.00	0.00	1.91	SINGLE PUR NAV	39054
53	HAMPTON HBR NH	NED	3.05	3.05	0.00	0.00	3.05	SINGLE PUR NAV	39063
59	SCITUATE HARBOR, MA	NED	438.69	438.69	0.00	0.00	438.69	SINGLE PUR NAV	39062
53	MUDDY HOOK/TYLER COVES MD	NAB	9.47	9.47	0.00	0.00	9.47	SINGLE PUR NAV	40025
59	TILGHMAN IS HBR MD	NAB	36.83	36.83	0.00	0.00	36.83	SINGLE PUR NAV	40108
53	WESTCHESTER CK NY	NAN	39.94	39.94	0.00	0.00	39.94	SINGLE PUR NAV	41003
53	EAST CHESTER CRK NY	NAN	39.63	39.63	0.00	0.00	39.63	SINGLE PUR NAV	41004
53	JONES INLT NY	NAN	4620.10	4620.10	0.00	0.00	4620.10	SINGLE PUR NAV	41006
53	SHARK RVR NJ	NAN	70.41	70.41	0.00	0.00	70.41	SINGLE PUR NAV	41007
53	BROWN CK NY	NAN	0.33	0.33	0.00	0.00	0.33	SINGLE PUR NAV	41022
53	SHOAL HBR CMPTN CK NJ	NAN	113.39	113.39	0.00	0.00	113.39	SINGLE PUR NAV	41035
53	BRONX RVR NY	NAN	39.33	39.33	0.00	0.00	39.33	SINGLE PUR NAV	41057
53	MATTITUCK HBR NY	NAN	1003.18	1003.18	0.00	0.00	1003.18	SINGLE PUR NAV	41082

SHALLOW DRAFT NAVIGATION PROJECTS NOT SUBJECT TO THE INLAND WATERWAY FUEL TAX- NAVIGATION COST RECOVERY ANALYSIS BY SEGMENT **OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000)** FY 1996 (ACTUAL) TABLE 21S

SEG NO	PROJECT NAME	DIV	TOTAL	NAVIGATION ALLOC/SPEC	OTHER ALLOC/SPEC	JOINT	RECOVERY AMOUNT	PROJECT TYPE	CWIS
83	STARLINGS CREEK VA	NAO	244.28	244.28	0:00	0.00	244.28	SINGLE PUR NAV	42001
83	CRISFIELD HBR MD	NAB	35.54	35.54	0.00	0.00	35.54	SINGLE PUR NAV	51950
53	HERRING CK TALL TIMBERS MD	NAB	35.73	35.73	0.00	0.00	35.73	SINGLE PUR NAV	62011
53	YORK HARBOR, ME	NED	585.59	585.59	0.00	0.00	585.59	SINGLE PUR NAV	72501
83	NEABSCO CK VA	NAB	35.85	35.85	0.00	0.00	35.85	SINGLE PUR NAV	73542
53	NANTICOKE RV DE MD	NAB	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV	73549
53	BROAD CK MD	NAB	139.83	139.83	0.00	0.00	139.83	SINGLE PUR NAV	73554
53	CHESTER RVR MD	NAB	63.45	63.45	0.00	0.00	63.45	SINGLE PUR NAV	73557
53	NANTICOKE AT NANTICOKE	NAB	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV	73564
53	OCEAN CTY HBR SNPXENT BY	NAB	125.28	125.28	0.00	0.00	125.28	SINGLE PUR NAV	73567
53	POCOMOKE RIVER MD	NAB	0.57	0.57	0.00	00'0	0.57	SINGLE PUR NAV	73570
53	RHODES PT TO TYLERTON MD	NAB	-38.95	-38.95	0.00	0.00	-38.95	SINGLE PUR NAV	73574
53	FISHING BAY MD	NAB	67.34	67.34	0.00	0.00	67.34	SINGLE PUR NAV	73583
29	FISHING CK MD	NAB	20.21	20.21	0.00	0.00	20.21	SINGLE PUR NAV	73584
59	HERRING B ROCKHD CK MD	NAB	0.10	0.10	0.00	0.00	0.10	SINGLE PUR NAV	73585
53	ISLAND CK ST. GEO IS MD	NAB	0.91	0.91	0.00	0.00	0.91	SINGLE PUR NAV	73588
53	KNAPPS NARROWS	NAB	404.50	404.50	0.00	0.00	404.50	SINGLE PUR NAV	73589
53	TRED AVON RVR MD	NAB	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV	73600
53	TWITCH CV THOROFARE R MD	NAB	115.05	115.05	0.00	0.00	115.05	SINGLE PUR NAV	73602
53	WICOMICO RVR MD	NAB	123.46	123.46	0.00	0.00	123.46	SINGLE PUR NAV	73606
53	ANACOSTIA RVR BASIN DC M	NAB	0.00	0.00	0.00	00'0	0.00	SINGLE PUR NAV	73608
53	CHEESEQUAKE CREEK, NJ	NAN	10.80	10.80	0.00	0.00	10.80	SINGLE PUR NAV	73626
53	SHINNECOCK INLET NY	NAN	49.75	49.75	0.00	0.00	49.75	SINGLE PUR NAV	73644
53	GLEN COVE CRK NY	NAN	437.74	437.74	0.00	0.00	437.74	SINGLE PUR NAV	73686
53	RONDOUT HARBOR NY	NAN	0.23	0.23	0.00	0.00	0.23	SINGLE PUR NAV	73705

SHALLOW DRAFT NAVIGATION PROJECTS NOT SUBJECT TO THE INLAND WATERWAY FUEL TAX- NAVIGATION COST RECOVERY ANALYSIS BY SEGMENT **OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000)** FY 1996 (ACTUAL) **TABLE 21S**

CWIS	73727	73747	73776	73778	73784	73789	73792	73793	73801	73802	73841	73857	73892	73894	75117	76011	76064	76106	76107	82008	87009	87211	87455	87544	
PROJECT TYPE	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	
RECOVERY AMOUNT	0.49	44.60	9.26	0.00	0.00	0.00	0.00	00.00	0.00	0.00	617.93	-2.17	0.00	1.68	594.47	00:0	0.18	816.45	32.09	6.52	-0.62	0.00	442.73	25.00	26575.89
JOINT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER ALLOC/SPEC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	00'0
NAVIGATION ALLOC/SPEC	0.49	44.60	9.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	617.93	-2.17	0.00	1.68	594.47	0.00	0.18	816.45	32.09	6.52	-0.62	0.00	442.73	25.00	26395.89
TOTAL	0.49	44.60	9.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	617.93	-2.17	00.0	1.68	594.47	00'0	0.18	816.45	32.09	6.52	-0.62	0.00	442.73	25.00	26395.89
DIV/ DIST	NAN	NAN	NAO	NAO	NAO	NAO	NAO	NAO	NAO	NAO	NAP	NAP	NAP	NAP	NAO	NAO	RED	NAO	NAO	NED	NED	NAP	NAO	NAB	
PROJECT NAME	BURLINGTON HARBOR, VT	PORT CHESTER HBR NY	HORN HARBOR, VA	LAFAYETTE RIVER, VA	NANSEMOND RIVER VA	NOTTOWAY RIVER	OYSTER CREEK VA	PAGAN RIVER, VA	WILLOUGHBY CHANNEL, VA	WINTER HARBOR VA	MAURICE RIVER NJ	MISPILLION RVR DEL	RACCOON CRK NJ	TOMS RIVER, NJ	DEEP CR NEWPORT NEWS VA	PARKER CREEK, VA	STONY CK BRANFORD CONN	CHINCOTEAGUE INLET VA	TYLERS BEACH VA	PATCHOGUE RVR RI CONN	ANDREWS RVR MA	CEDAR CREEK	RUDEE INLET, VIRGINIA	SHALLOW CREEK,MD	
SEG NO	53	53	53	53	53	53	83	53	53	83	53	53	83	53	83	83	53	83	83	83	82	83	53	83	ĸ

SHALLOW DRAFT NAVIGATION PROJECTS NOT SUBJECT TO THE INLAND WATERWAY FUEL TAX- NAVIGATION COST RECOVERY ANALYSIS BY SEGMENT **OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000)** FY 1996 (ACTUAL) **TABLE 21S**

ON NO	PROJECT NAME	DIV/ DIST	TOTAL	NAVIGATION Alloc/Spec	OTHER ALLOC/SPEC	JOINT	RECOVERY AMOUNT	PROJECT TYPE	CWIS
30	TOWN CK, SC	SAC	393.92	393.92	0.00	0.00	393.92	SINGLE PUR NAV	-
30	BELHAVEN HBR NC	SAW	40.37	40.37	0.00	0.00	40.37	SINGLE PUR NAV	1290
30	THURMOND DAM & RES	SAS	8571.10	193.90	8377.20	0.00	193.90	MULTI W ALLOC	3350
8	CROSS FLA BARGE CANAL FL	SAJ	22.71	22.71	0.00	0.00	22.71	SINGLE PUR NAV	4300
8	HARTWELL GA,SC	SAS	8580.20	117.30	8462.90	0.00	117.30	MULTI W ALLOC	7380
99	LITTLE RIVER INLET SC	SAC	26.65	26.65	0.00	0.00	26.65	SINGLE PUR NAV	9930
8	LOCKWD FOLLY R NC	SAW	658.73	658.73	0.00	0.00	658.73	SINGLE PUR NAV	10020
30	MANTEO BAY NC	SAW	3309.61	3309.61	0.00	0.00	3309.61	SINGLE PUR NAV	10580
8	MURRELLS INLET SC	SAC	40.01	40.01	0.00	0.00	40.01	SINGLE PUR NAV	12030
30	OKLAWAHA RIVER FL	SAJ	125.48	125.48	0.00	0.00	125.48	SINGLE PUR NAV	13250
99	PONCE DE LEON INLET FL	SAJ	245.93	245.93	0.00	0.00	245.93	SINGLE PUR NAV	14310
30	ROLLINSON CH NC	SAW	0.31	0.31	0.00	0.00	0.31	SINGLE PUR NAV	15490
30	SAV R BELOW AUGUSTA GA SC	SAS	1677.66	1677.66	0.00	0.00	1677.66	SINGLE PUR NAV	16450
8	SILVER LKE HBR NC	SAW	45.44	45.44	0.00	0.00	45.44	SINGLE PUR NAV	16800
30	ST. LUCIE INLET FL	SAJ	510.53	510.53	0.00	0.00	510.53	SINGLE PUR NAV	17370
ဗ	MELBOURNE HBR FL	SAJ	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV	22250
90	ROANOKE RVR NC	SAW	78.00	78.00	0.00	0.00	78.00	SINGLE PUR NAV	22510
೫	DRUM INLET NC	SAW	72.06	72.06	0.00	0.00	72.06	SINGLE PUR NAV	26060
စ္တ	CHOWAN R NC	NAO	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV	73752
30	ST. JOHNS R TO LK HRVY FL	SAJ	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV	74387
ස	BAKERS HAULOVR INLT FL	SAJ	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV	74482
30	EAU GALLIE HBR FL	SAJ	2.33	2.33	0.00	0.00	2.33	SINGLE PUR NAV	74489
ස	PAMLICO & TAR R NC	SAW	132.34	132.34	0.00	0.00	132.34	SINGLE PUR NAV	74615
၉	WW CONN PAMLI SD BEAU HB	SAW	12.71	12.71	0.00	0.00	12.71	SINGLE PUR NAV	74632

SHALLOW DRAFT NAVIGATION PROJECTS NOT SUBJECT TO THE INLAND WATERWAY FUEL TAX- NAVIGATION COST RECOVERY ANALYSIS BY SEGMENT **OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000)** FY 1996 (ACTUAL) **TABLE 21S**

SEG NO	PROJECT NAME	DIV/ DIST	TOTAL ,	NAVIGATION ALLOC/SPEC	OTHER ALLOC/SPEC	JOINT R USE	RECOVERY AMOUNT	PROJECT TYPE	CWIS
30	ST AUGUSTINE HBR FL	SAJ	3192.12	3192.12	0.00	0.00	3192.12	SINGLE PUR NAV	75027
30	FOLLY RVR SC	SAC	252.12	252.12	0.00	0.00	252.12	SINGLE PUR NAV	82088
99	BROOKGREEN GARDEN CANAL	SAC	0.05	0.02	0.00	0.00	0.02	SINGLE PUR NAV	87533
30	JEREMY CREEK SC	SAC	0.05	0.02	0.00	0.00	0.02	SINGLE PUR NAV	88855
Я			27990.37	11150,27	16840,10	000	11150.27		
3		9	, T		000	6	94	VAIN CITY IN MAY	47070
5	SWINGMISH CHANNEL	NF3	0.73	0.75	0.00	0.00	0.15	SINGLE LOUINAV	0/0/1
5			e) 5	£/.5	M n	3 55	67.5		
32	COLUMBIA R BAKER BAY	MPP	1.60	1.60	0.00	0.00	1.60	SINGLE PUR NAV	3570
32	COLUM. R. BTN CHNK SD IS	NPP	1037.17	1037.17	00.00	0.00	1037.17	SINGLE PUR NAV	23080
æ			1038.77	1038.77	000	0.00	1638.77		
æ	CHETCO RIVER	NPP	463.98	463.98	0.00	0.00	463.98	SINGLE PUR NAV	3130
33	COQUILLE R OR	MPP	160.93	160.93	0.00	0.00	160.93	SINGLE PUR NAV	3900
33	DEPOE BAY OR	MPP	39.37	39.37	0.00	0.00	39.37	SINGLE PUR NAV	4610
33	NOYO RVR HBR CA	SPN	7.08	7.08	0.00	0.00	7.08	SINGLE PUR NAV	12940
8	QUILLAYUTE RIVER	NPS	4373.19	4373.19	0.00	0.00	4373.19		
ಜ	ROGUE RVR HBR GOLD BH	MPP	998.18	998.18	0.00	0.00	998.18	SINGLE PUR NAV	15600
83	YAQUINA RVR OR	MPP	328.10	328.10	0.00	0.00	328.10	SINGLE PUR NAV	20300
33	HALF MOON BAY/PILAR PT HBR	SPN	87.00	87.00	00'0	00:0	87.00	SINGLE PUR NAV	74701
ĸ			6457.83	6457,83	0.00	0.00	6457.83		
8	SACRAMENTO RVR CA	SPK	223.56	223.56	0.00	00.00	223.56	SINGLE PUR NAV	8187
8	PETALUMA RVR CA	SPN	345.60	345.60	0.00	0.00	345.60	SINGLE PUR NAV	13940

SHALLOW DRAFT NAVIGATION PROJECTS NOT SUBJECT TO THE INLAND WATERWAY FUEL TAX- NAVIGATION COST RECOVERY ANALYSIS BY SEGMENT **OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000)** FY 1996 (ACTUAL) **TABLE 21S**

	PROJECT NAME	DIST	TOTAL	ALLOC/SPEC	ALLOC/SPEC	USE	AMOUNT	TYPE) ON
34	SACRAMENTO RVR DEBRIS CTRL	SPK	754.45	309.45	445.00	0.00	309,45	SINGLE PUR NAV	15810
34	YUBA RIVER DEBRIS TREAT CA	SPK	14.29	14.29	0.00	0.00	14.29	SINGLE PUR NAV	20410
34	S RAFAEL CK CA	SPN	99.0	0.66	00'0	0.00	99.0	SINGLE PUR NAV	74709
a			1338.56	893.56	445.00	000	893.56		
35	DILLINGHAM HBR AK	NPA	362.07	362.07	0.00	0.00	362.07	SINGLE PUR NAV	4800
35	NOME HBR AK	NPA	523.40	523.40	0.00	0.00	523.40	SINGLE PUR NAV	72742
B			885.47	885.47	00:0	0.00	685.47		
36	CANNK-NINILCHIK HARBOR	NPA	171.62	171.62	0.00	0.00	171.62	SINGLE PUR NAV	12640
36	VALDEZ HBR AK	NPA	0.00	00:0	0.00	0.00	0.00	SINGLE PUR NAV	72849
37	DOUGLAS HBR AK	NPA	00.00	0.00	0.00	00.0	0.00	SINGLE PUR NAV	72789
9 8			171.62	171.62	0.00	000	171.62		
37	DRY PASS AK	NPA	42.23	42.23	0.00	0.00	42.23	SINGLE PUR NAV	72791
37			42.23	42.23	0.00	0.00	42.23		
88	AUNUU HBR AS	POD	65.43	65.43	0.00	0.00	65.43	SINGLE PUR NAV	87036
38	AUASI SBH, AM SAMOA	PO O	5.92	5.92	00'0	00'0	5.92	SINGLE PUR NAV	87108
8			71,35	71.35	90.0	000	71.35	214.05	

64.60

GRAND TOTAL



Navigation Operation and Maintenance: Expenditures for Harbors and Waterways Fiscal Year 1996

APPENDIX C - Shallow Draft Navigation Projects

<u>Subject to the Inland Waterway Fuel Tax,</u>

Analysis by <u>Segment,</u> O&M Expenditures
for FY 1996 (Actual).

SHALLOW DRAFT NAVIGATION PROJECTS SUBJECT TO INLAND WATERWAY FUEL TAX ANALYSIS BY SEGMENT- OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000) FY 1996 (ACTUAL) TABLE 11S

CT CWIS NO	NAV 1053	-Loc 2560	LLOC 8249	1 NAV 11370	I NAV 11380	1 NAV 11550	I NAV 15200	1 NAV 74295		NAV 2700	NAV 8770	I NAV 16691		LLOC 99991	•	NAV 99993	99994	26666	96666	26666	86666	00000
N PROJECT TYPE	12 SINGLE PUR NAV	70 MULTI W ALLOC	78 MULTI WO ALLOC	10 SINGLE PUR NAV	30 SINGLE PUR NAV	20 SINGLE PUR NAV	6 SINGLE PUR NAV	50 SINGLE PUR NAV	16	51 SINGLE PUR NAV	30 SINGLE PUR NAV	11 SINGLE PUR NAV	23	MULTI WO ALLOC		00 SINGLE PUR NAV	MR&T	9 MR&T	IS MR&T	4 MR&T	MR&T	MR&T
NAVIGATION AMOUNT	3369.42	00 2.70	00 239.78	00 11402.10	00 19657.30	33245.20	153.06	00 40179.50	50 108249.06	10 205.51	00 1827.60	10 218.11	2251.22	13801.00	00.00	1946.00	15054.00	10171.49	90 8207.45	1025.64	00.0	0000
JOINT	0.00 0.00	1.50 0.00	0.00 0.00	.20 0.00	00.0	0.00	.50 1530.60		.60 (530.60	.30 2055.10	3.80 0.00	.90 2181.10	00 4236.20	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 30545.00	0.00 24647.00	0.00 3080.00	0.00 0.00	00.0
OTHER ALLOC/SPEC		0 5774.50		0 869.20	0 115.00	0 2310.30	0 1564.50	0 1109.10	0 11742.60	0 2676.30		0 2952.90	5633.00									209738.00
NAVIGATION ALLOC/SPEC	3369.42	2.70	239.78	11402.10	19657.30	33245.20	0.00	40179.50	108096.00	0.00	1827.60	0.00	1827.60	13801.00	0.00	1946.00	15054.00	0.00	0.00	0.00	0.00	0.00
TOTAL	3369.42	5777.20	239.78	12271.30	19772.30	35555.50	3095.10	41288.60	121369.20	4731.40	1831.40	5134.00	11596.80	13801.00	0.00	1946.00	15054.00	30545.00	24647.00	3080.00	0.00	209738.00
DIV/ DIST	NCS	S LMS	LMS	LMS	LMS	NCB	NCS	NCS		CMS	LMS	SWI		LMV	LMV	LMV	LMV	LMV	LMV	LMV	LMV	\w\
PROJECT NAME	MISS. R. RHB MO R AND MPLS	CLARENCE CANNON DAM & RES	MS R& MO R BASIN MODEL DEV	MISS R BTN MOR MNPLS MN	MISS R BTN OH/MO R IL	MISS R BTW MO R MPLS MN	RES AT HEADWATERS	MISS. R. BET MO. AND MNPLS		LAKE, IL	A RVR IL	LAKE SHELBYVILLE,IL		MR&T CHAN IMP MAINT DREDG	MR&T CHAN IMP CONST DREDG	MR&T CHAN IMP MAINT DIKES	MR&T CHAN IMP CONST DIKES	MR&T CHAN IMP REVET MAINT	MR&T CHAN IMP REVET CONST	MR&T OLD RIVER MAINT	MR&T OLD RIVER CONST	MR&T-ALL OTHER FEATURES
SEG NO P	1 MISS. R. R	1 CLARENCI	1 MS R& MO	1 MISS R BT	1 MISS R BT	1 MISS R BT	1 RES AT HE	1 MISS. R. B	+	2 CARLYLE LAKE, IL	2 KASKASKIA RVR IL	2 LAKESHE	2	3 MR&T CHA	3 MR&T OLD	3 MR&T OLD	3 MR&T-ALL					

SHALLOW DRAFT NAVIGATION PROJECTS SUBJECT TO INLAND WATERWAY FUEL TAX ANALYSIS BY SEGMENT- OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000) FY 1996 (ACTUAL) **TABLE 11S**

16777.31 0.00 12017.63 0.00 605.34 0.00 1491.84 0.00 706.28 0.00 34.35 0.00 553.56 0.00 4048.59 0.00 4048.59 0.00 1756.10 3073.90 1086.50 4205.10 36.90 6029.60 8237.90 1565.00 15083.50 1565.00 15083.50 1565.00 11019.00 3156.40		PROJECT NAME	DIV/ DIST	NA TOTAL ALI	NAVIGATION ALLOC/SPEC ALL	OTHER ALLOC/SPEC	JOINT NA	NAVIGATION AMOUNT	PROJECT TYPE	CWIS
SWG 12017.63 12017.63 0.00 SWG 605.34 605.34 0.00 SWG 1491.84 1491.84 0.00 SWG 706.28 706.28 0.00 SWG 34.35 34.35 0.00 SWG 553.56 553.56 0.00 SWM 4048.59 4048.59 0.00 SAM 4048.59 4048.59 0.00 SAM 7438.40 82.80 7735.60 SAM 7438.40 82.80 7735.60 SAM 6066.50 36.90 6029.60 SAM 16648.50 15083.50 1565.00 SAM 16648.50 15083.50 1565.00 SAM 16648.50 15083.50 1565.00 SAM 4175.40 1019.00 4409.00 SAM 4187.40 1019.00 4409.00	GIWW	LA	LWN	16777.31	16777.31	0.00	0.00	16777.31	MR&T	62
SWG 605.34 605.34 0.00 C SWG 1491.84 1491.84 0.00 C SWG 706.28 706.28 0.00 C SWG 34.35 34.35 0.00 C SWG 34.35 34.35 0.00 C SWG 34.35 34.35 0.00 C SWG 32.186.31 32.186.31 C C C C SS.3.6 553.56 0.00 C C SWG 553.20 SZT.86.31 C C C C SAM 4048.59 6.00 C C SAM 483.00 T 7438.40 82.75.60 Z Z T 560 C SAM 483.00 T 756.10 3073.90 C SAM 6066.50 36.90 6029.60 SAM 16648.50 T 5630.00 T 5630.00 T 5630.00 T 5630.00 SAM 16548.50 T 5630.00 SAM 16548.50 T 5630.00 SAM 175.40 T 5030.00 SA	GIWW	본	SWG	12017.63	12017.63	0.00	0.00	12017.63	MR&T	7140
SWG 1491.84 1491.84 0.00 SWG 706.28 706.28 0.00 SWG 34.35 34.35 0.00 SWG 553.56 553.56 0.00 ZZ186.31 7Z2186.31 0.00 SAM 4048.59 4048.59 0.00 SAM 7438.40 82.80 77355.60 SAM 6066.50 36.90 6029.60 SAM 6066.50 36.90 6029.60 SAM 16648.50 15083.50 1565.00 SAM 16648.50 15083.50 1565.00 SAM 4175.40 941.00 4409.00 SAM 6155.00 941.00 4409.00 SAM 65350.00 941.00 4409.00 SAM 65350.00 941.00 4409.00 SAM 74540 1019.00 3156.40	GIWW	CHAN TO HARLINGEN, TX	SWG	605.34	605.34	0.00	0.00	605.34	MR&T	74817
SWG 706.28 706.28 0.00 SWG 34.35 34.35 0.00 SWG 553.56 553.56 0.00 SWG 553.56 553.56 0.00 SAM 4048.59 4048.59 0.00 SAM 7438.40 82.80 7755.60 SAM 7438.40 82.80 7755.60 SAM 4830.00 1756.10 3073.90 SAM 5291.60 1086.50 4205.10 SAM 16648.50 15083.50 1565.00 SAM 4175.40 1019.00 3156.40 SAM 4265.00 426.00	Mod	TH OF THE COLORADO RVR	SWG	1491.84	1491.84	0.00	0.00	1491.84	SINGLE PUR NAV	74826
SWG 34.35 34.35 0.00 0 TX SWG 553.56 553.66 0.00 0 AS,FL SAM 4048.59 4048.59 0.00 0 AS,FL SAM 4048.59 4048.59 0.00 0 AS,FL SAM 4048.59 4048.59 0.00 0 AS,FL SAM 4830.00 5275.60 277.60 0 SAM 7438.40 82.80 7355.60 0 SAM 4830.00 1756.10 3073.90 0 SAM 6066.50 36.90 6029.60 0 SAM 6066.50 36.90 6029.60 0 SAM 16648.50 1568.350 1560.00 0 AL SAM 4175.40 1019.00 3156.00 AB 5350.00 941.00 4265.00 AB 656.00 4460.00 4265.00 AB 656.00 4460.00 4265.00	CHAN	INEL TO PORT MANSFIELD	SWG	706.28	706.28	0.00	0.00	706.28	SINGLE PUR NAV	74847
SAM 4048.59 553.56 0.00 C SAM 4048.59 4048.59 0.00 C SAM 4048.59 4048.59 0.00 C SAM 5553.20 5275.60 277.60 C SAM 4830.00 1756.10 3073.90 C SAM 4830.00 1756.10 3073.90 C SAM 6066.50 36.90 6029.60 C SAM 16648.50 15083.50 1565.00 C SAM 5350.00 941.00 4409.00 S SAM 5350.00 941.00 4409.00 S SAM 5350.00 941.00 435.60 S SAM 4175.40 1019.00 3156.40 S SAM 4175.40 4160.50 426.60	<u>양</u>	COLATE BAYOU, TX	SWG	34.35	34.35	0.00	0.00	34.35	SINGLE PUR NAV	76085
SAM 4048.59 4048.59 0.000 0.00	CHAN	INEL TO VICTORIA, TX	SWG	553.56	553.56	0.00	0.00	553.56	SINGLE PUR NAV	88834
SAM 4048.59 4048.59 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0				32186.31	32186.31	000	000	32186.31		
SAM 5553.20 5275.60 277.60 (SAM) 7438.40 82.80 7355.60 (SAM) 4830.00 1756.10 3073.90 (SAM) 5291.60 1086.50 4205.10 SAM) 6066.50 36.90 6029.60 (SAM) 16648.50 15083.50 1565.00 SAM 16648.50 15083.50 1565.00 SAM 5350.00 941.00 4409.00 SAM 4175.40 1019.90 3156.40 SAM 4587.10 4160.50 426.60	<u>S</u>	W-MOBILE DIST AL, MS, FL	SAM	4048.59	4048.59	0.00	0.00	4048.59	SINGLE PUR NAV	7130
SAM 5553.20 5275.60 277.60 SAM 7438.40 82.80 7355.60 SAM 4830.00 1756.10 3073.90 SAM 6066.50 36.90 6029.60 SAM 16648.50 15083.50 1565.00 SAM 16648.50 15083.50 1565.00 SAM 5350.00 941.00 4409.00 SAM 4175.40 1019.00 3156.40 SAM 4587.10 4160.50 426.60				4048.59	4048.59	00'0	0.00	4048.59		
SAM 7438.40 82.80 7355.60 (SAM 4830.00 1756.10 3073.90 (SAM 4830.00 1756.10 3073.90 (SAM 6066.50 36.90 6029.60 (GO.9.60 GO.9.60 GO.9.60 (GO.9.60 GO.9.60 GO.9.60 GO.9.60 (GO.9.60 GO.9.60 GO.9.60 GO.9.60 (GO.9.60 GO.9.60 GO.9.60 GO.9.60 GO.9.60 GO.9.60 (GO.9.60 GO.9.60 GO	, a	AO IN DIEN DE LA CO	MYO	5660	60376 60	077.60	6	6976 60	VAN GIJG E DINO	4
SAM 7438.40 82.80 7355.60 SAM 4830.00 1756.10 3073.90 SAM 6066.50 36.90 6029.60 SAM 16648.50 15083.50 1565.00 FEB-48.50 15083.50 1565.00 SAM 5350.00 941.00 4409.00 SAM 4175.40 1019.00 3156.40 SAM 4587.10 4160.50 426.60	Y	יייייייייייייייייייייייייייייייייייייי	SAIM	03.666	00/6/76	00.112	0.00	3273.00	SINGLE FOR IMA	2
SAM 4830.00 1756.10 3073.90 (SAM 5291.60 1086.50 4205.10 (SAM 6066.50 36.90 6029.60 (SAM 6066.50 36.90 6029.60 (SAM 16648.50 15683.50 1565.00 (SAM 5350.00 941.00 4409.00 SAM 4175.40 1019.00 3156.40 SAM 4587.10 4160.50 426.60	8 E	ORD DAM GA	SAM	7438.40	82.80	7355.60	0.00	82.80	SINGLE PUR NAV	2190
SAM 5291.60 1086.50 4205.10 SAM 6066.50 36.90 6029.60 SAM 16648.50 15083.50 1565.00 1L SAM 5350.00 941.00 4409.00 SAM 4175.40 1019.00 3156.40 SAM 4587.10 4160.50 426.60	MIS	NOODRUFF L D FL GA	SAM	4830.00	1756.10	3073.90	0.00	1756.10	SINGLE PUR NAV	8450
SAM 6066.50 36.90 6029.60 29179.70 8237.90 20941.60 SAM 16648.50 941.00 4409.00 L SAM 4175.40 1019.00 3156.40 SAM 4587.10 4160.50 426.60	¥.F.	GEORGE L D AL GA	SAM	5291.60	1086.50	4205.10	0.00	1086.50	MULTI W ALLOC	19190
AL SAM 16648.50 15083.50 1565.00 16648.50 15649.00 1565.00 156	WES	T PT DAM AL GA	SAM	6066.50	36.90	6029.60	0.00	36.90	MULTI W ALLOC	19710
AL SAM 16648.50 15083.50 1565.00 16648.50 15083.50 1565.00 AL SAM 5350.00 941.00 4409.00 L SAM 4175.40 1019.00 3156.40 - SAM 4587.10 4160.50 426.60				29179.70	8237.90	20941.80	000	8237.90		
AL SAM 16648.50 15083.50 1565.00 AL SAM 5350.00 941.00 4409.00 L SAM 4755.40 1019.00 3156.40 SAM 4587.10 4160.50 426.60										
AL SAM 5350.00 941.00 4409.00 L SAM 4175.40 1019.00 3156.40 SAM 4587.10 4160.50 426.60	BWT	RVR AL	SAM	16648.50	15083.50	1565.00	0.00	15083.50	SINGLE PUR NAV	1680
AL SAM 5350.00 941.00 4409.00 L SAM 4175.40 1019.00 3156.40 - SAM 4587.10 4160.50 426.60				16648,50	15083.50	1565,00	0.00	15083.50		
AL SAM 4175.40 1019.00 3156.40 - SAM 4587.10 4160.50 426.60		T CONTINUE TO	7	00 0363	00 170	4400 00	6	944	OCTIVITY III	0000
L SAM 4175.40 1019.00 3156.40 - SAM 4587.10 4160.50 426.60	2	ENI F. NEINNI LAD AL	NAC	00.0000	941.00	4403.00	000	941.00	MOLII W ALLOC	0000
. SAM 4587.10 4160.50 426.60	I E	ERS FERRY L&D.AL	SAM	4175.40	1019.00	3156.40	0.00	1019.00	MULTI W ALLOC	11230
Contract Con	ALA-	COOSA RIVERS, AL	SAM	4587.10	4160.50	426.60	0.00	4160.50	SINGLE PUR NAV	23240
5120.50 7992.00				14112.50	6120.50	7992.00	000	6120.50		

SHALLOW DRAFT NAVIGATION PROJECTS SUBJECT TO INLAND WATERWAY FUEL TAX ANALYSIS BY SEGMENT- OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000) FY 1996 (ACTUAL) **TABLE 11S**

CWIS	18070	18080	6970	8920	13140 13160 13170 13180 13190 13200 17740	200
PROJECT TYPE	MULTI W ALLOC	SINGLE PUR NAV	MULTI W ALLOC	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE TON INAV
NAVIGATION AMOUNT	15776.10 15778.10	14059.64	1381.13	3148.75 3148.75	16420.10 148.98 1984.80 14033.09 3702.33 22593.64 58882.94 9293.10 106.41	16,64021
JOINT N USE	00'0	0.00	0000	0.00	0.00 0.00 0.00 0.00 0.00 1064.10	0.00
OTHER Alloc/Spec	4168.40 4168.40	0.00	0.00	0.00	187.60 0.00 0.00 0.00 0.00 728.70 734.18	5 .
NAVIGATION Allogispec a	15776.10 15776.10	14059.64	1381,13	3148.75 3148.75	16420.10 148.98 1984.08 14033.09 3702.33 22593.64 58862.22 9293.10 0.00 9293.10	16.040.51
N. TOTAL AI	19944.50 19944.50	14059.64 \$4059.64	1381.13	3148.75 3148.75	16607.70 148.98 1984.80 14047.13 3702.33 22593.64 59084.58 1792.80 1792.80	16040,30
DIV/ DIST	SAM	ORN	ORL	ORL	ORP	בו
SEG NO PROJECT NAME	9 TENN-TOM WWY AL, MS 9	10 TENNESSEE RIVER f0	11 GREEN BARREN RVR KY 11	12 KENTUCKY RVR KY 12	13 OH RVR LOCKS & DAMS 13 OHIO RV OP CH WORK PA 13 OH RVR OP CH WORK 13 OH RVR LD CONSTR PA 13 OH RVR LD CONSTR PA 13 OH RVR LCK DAMS IL 14 KANAWHA RVR LCKS & DAMS WV 14 SUMMERSVILLE LAKE, WV 15 ALI EGHENY RVR DA	

SHALLOW DRAFT NAVIGATION PROJECTS SUBJECT TO INLAND WATERWAY FUEL TAX ANALYSIS BY SEGMENT- OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000) FY 1996 (ACTUAL) **TABLE 11S**

SEG	PROJECT NAME	DIV/ DIST	NA! TOTAL ALI	NAVIGATION ALLOC/SPEC ALI	OTHER ALLOC/SPEC	JOINT N.	NAVIGATION AMOUNT	PROJECT TYPE	CWIS
15			12646.95	12645.91	104	00:0	12645.91		
9	MONONGAHELA RVR PA	ORP	14015.07	14011.02	4.05	0.00	14011.02	MULTI WO ALLOC	11740
9	TYGART LAKE, WV	ORP	1550.23	0.00	96.64	1453.59	145.36	SINGLE PUR NAV	18730
9			15565.340	14011.02	100.69	1453,59	14156.38		
17	M-K ARK R NAV SYS OK	SWT	4431.08	3916.28	514.80	0.00	3916.28	SINGLE PUR NAV	510
17	M-K ARK R NAV SYS AR	SWL	20351.10	17348.10	2610.20	392.80	17348.10	SINGLE PUR NAV	520
17	DARDANELLE AR	SWL	5174.20	1906.50	3267.70	00'0	1906.50	MULTI WO ALLOC	4460
. 17	EUFAULA LAKE OK	SWT	4142.50	372.10	3770.40	0.00	372.10	MULTI W ALLOC	2650
17	KEYSTONE LAKE OK	SWT	3566.10	435.70	3130.40	0.00	435.70	SINGLE PUR NAV	8990
17	OOLOGAH LAKE, OK	SWT	1503.50	118.10	1385.40	0.00	118.10	MULTI W ALLOC	13340
17	KERR L D RES OK	SWT	3518.40	1333.00	2185.40	0.00	1333,00	MULTI W ALLOC	15370
11	WEBBERS FLS L&D OK	SWT	2831.80	1237.40	1594.40	00'0	1237.40	SINGLE PUR NAV	19590
17	WHITE RVR AR	LMM	2123.29	2123.29	00.00	0.00	2123.29	SINGLE PUR NAV	19830
17	OZARK L&D AR	SWL	3350.70	519.60	2831.10	0.00	519.60	MULTI W ALLOC	22480
7			50992.67	29310.07	21289.80	392.80	28310.07		
8	PEARL RVR MS-LA	LMK	392.00	377.50	14.50	0.00	377.50	MULTI W ALLOC	13780
18			392.00	377.50	14.50	0.00	377.50		
19	OUACHITA/BLACK R AR LA	LMK	6834.30	6007.30	827.00	0.00	6007.30	MULTI W ALLOC	13460
6	DEGRAY LAKE	LMK	3685.90	15.20	3670.70	0.00	15.20	MULTI W ALLOC	36011
#			10520.20	6022.50	4497.70	000	6022.50		
8	RED R WW MISS R TO SHREVE	LMK	7265.50	7066.50	199.00	0.00	7066.50	SINGLE PUR NAV	65

SHALLOW DRAFT NAVIGATION PROJECTS SUBJECT TO INLAND WATERWAY FUEL TAX ANALYSIS BY SEGMENT- OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000) FY 1996 (ACTUAL) **TABLE 11S**

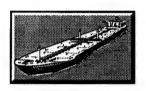
CWIS		8010	8040		OP6	3040	3940	13280		621	6230	6270	6400	6440	12960	14880	18660	20060		720	150	88800	
PROJECT TYPE		MULTI W ALLOC	SINGLE PUR NAV		SING F PILB NAV	SINGLE PUR NAV	SINGLE PUR NAV	MULTI W ALLOC		MULTI W ALLOC	MULTI W ALLOC	MULTI W ALLOC	MULTI W ALLOC	MULTI WO ALLOC	MULTI WO ALLOC	MULTI W ALLOC	MULTI W ALLOC	MULTI WO ALLOC				SINGLE PUR NAV	
NAVIGATION AMOUNT	7066.50	20833.60	1101.20	21934.80	3174 40	2713.80	301.40	1616.20	7805-80	2908.19	1081.40	1135.50	1098.70	762.70	1084.20	102.30	210.80	62.80	8446.59	1460 69	0000	1642.09	3111.77
JOINT	000	0.00	0.00	0.00	000	000	00'0	0.00	000	2346.00	0.00	00.00	00'0	00.0	0.00	1023.00	2108.00	628.00	6105.00	000	9	0.00	000
OTHER ALLOC/SPEC	00 661	231.70	00.00	231.70	4483.00	3263.30	3792.90	4478.20	16017.40	372.00	4600.60	8540.50	7813.30	5583.30	8598.80	1104.00	408.00	752.00	37772.50		000	0.00	000
NAVIGATION ALLOCISPEC A	7066.50	20833.60	1101.20	21934.80	3174.40	2713.80	301.40	1616.20	7805.80	2673.59	1081.40	1135.50	1098.70	762.70	1084.20	0.00	0.00	0.00	7836.09	1460 68	00.00	1642.09	3111.77
N TOTAL A	7265.50	21065.30	1101.20	22156.50	7657.40	5977.10	4094.30	6094.40	23823.20	5391.59	5682.00	9676.00	8912.00	6346.00	9683.00	2127.00	2516.00	1380.00	51713,59	1460 68	00000	1642.09	3111.77
DIW/ DIST		NCR	FWS		ORO	ORN	ORN	ORN		MRO	MRO	MRO	MRO	MRO	MRO	MRK	MRK	MRK		CAN		NAO	
3 PROJECT NAME		ILLINOIS WWY, IL	ILLINOIS WWY, IL		BARKLEY D LAKE BARKLEY. KY	CHEATHAM L D	CORDELL HULL D RES	OLD HICKORY L D		MO RVR SIOUX CTY TO MTH	FT PECK DAM MT	FT RNDL D LK FRNCS CSE SD	GARRISON D LK SAKWA ND	GAVINS PT D LW CLK LKE SD	OAHE D LKE SD ND	RATHBURN LKE IOWA	TUTTLE LKE CK KANSAS	WILSON LKE KANSAS		ATI ANTIC IWW VA		AIWW DISMAL SWAP CANAL	
SEG	8	21	21	7	22	23	22	22	23	23	23	83	23	23	23	23	23	ន	83	g	8	₹	58

SHALLOW DRAFT NAVIGATION PROJECTS SUBJECT TO INLAND WATERWAY FUEL TAX ANALYSIS BY SEGMENT- OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000) FY 1996 (ACTUAL) **TABLE 11S**

30 AIWW SC 30 AIWW-WILM NC 30 IWW JAX TO MIJ 30 AIWW FERND TO 30 AIWW GA 30 CAROLINA BEA	AIWW SC AIWW-WILM NC IWW JAX TO MIAMI FL AIWW FERND TO ST JOHN R F AIWW GA CAROLINA BEACH INLET, NC								
	.M NC TO MIAMI FL ND TO ST JOHN R F A BEACH INLET, NC								
	.M NC TO MIAMI FL RND TO ST JOHN R F A BEACH INLET, NC	SAC	5319.57	5319.57	0.00	0.00	5319.57	SINGLE PUR NAV	20
	TO MIAMI FL RND TO ST JOHN R F A BEACH INLET, NC	SAW	7034.91	7034.91	0.00	0.00	7034.91	SINGLE PUR NAV	30
	IND TO ST JOHN R F A BEACH INLET, NC	SAJ	2697.91	2697.91	0.00	0.00	2697.91	SINGLE PUR NAV	8420
	A BEACH INLET, NC	SAJ	75.86	75.86	0.00	0.00	75.86	SINGLE PUR NAV	20470
	A BEACH INLET, NC	SAS	1569.74	1569.74	0.00	0.00	1569.74	SINGLE PUR NAV	74569
		SAW	586.45	586.45	0.00	0.00	586.45	SINGLE PUR NAV	88801
_	MASONBORO INLET	SAW	3828.79	3828.79	0.00	0.00	3828.79	SINGLE PUR NAV	88802
30 NEW TOP	NEW TOPSAIL INLET,NC	SAW	546.75	546.75	0.00	0.00	546.75	SINGLE PUR NAV	88803
30 BOGUE INLET, NC	LET, NC	SAW	617.05	617.05	0.00	0.00	617.05	SINGLE PUR NAV	88804
30 NEW RIVE	NEW RIVER INLET, NC	SAW	70.776	977.07	0.00	0.00	977.07	SINGLE PUR NAV	88805
30			23254.10	23254 10	90'0	000	23254 10		
32 ALBENIF	ALBENI FALLS D IDAHO	NPS	4330.00	10.90	4319.10	0.00	10.90	SINGLE PUR NAV	500
32 ICE HBR L D WA	D WA	MAN	12918.70	5254.60	7664.10	0.00	5254.60	SINGLE PUR NAV	809
32 COUGAR LKE OR	LKE OR	NPP	1134.10	8.00	1126.10	0.00	8.00	SINGLE PUR NAV	4080
32 DALLES I	DALLES L D OR WA	MPP	12243.70	1947.00	10296.70	0.00	1947.00	SINGLE PUR NAV	4400
32 DETROIT	DETROIT B CLIFF OR	MPP	1989,10	5.20	1983.90	0.00	5.20	SINGLE PUR NAV	4690
32 DWORSH	DWORSHAK D RES ID	MPW	9108.40	171.10	8937.30	0.00	171.10	MULTI W ALLOC	2090
32 GREEN P	GREEN PETER FOSTER OR	APP	2405.60	6.90	2398.70	0.00	6.90	MULTI W ALLOC	6940
32 HILLS CK LKE OR	LKE OR	APP	676.80	5.30	671.50	0.00	5.30	MULTI W ALLOC	7530
32 JOHN DA	JOHN DAY L D OR WA	MPP	12202.90	1411.40	10791.50	0.00	1411.40	MULTI W ALLOC	8480
32 LITTLE G	ITTLE GOOSE L D WA	MPW	4534.60	311.30	4223.30	0.00	311.30	MULTI W ALLOC	9880
32 LKOUTPTOR	ron	MPP	5881.30	30.70	5850.60	0.00	30.70	MULTI W ALLOC	10050
32 LWR GR	LWR GRANITE L D WA	MAN	8602.50	227.60	8374.90	0.00	227.60	MULTI W ALLOC	10180
32 LWR MOI	LWR MONUMENTAL L D WA	MAN	6547.00	354.00	6193.00	0.00	354.00	MULTI W ALLOC	10210

SHALLOW DRAFT NAVIGATION PROJECTS SUBJECT TO INLAND WATERWAY FUEL TAX ANALYSIS BY SEGMENT- OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000) FY 1996 (ACTUAL) **TABLE 11S**

CWIS	10920	19960		
PROJECT TYPE	SINGLE PUR NAV	MULTI W ALLOC		
VAVIGATION AMOUNT	1810.30	1242.93	12797.23	475959.88
JOINT NA	0.00	0.00	000	73054.29
OTHER ALLOC/SPEC	10588.40	0.00	63419.10	426259.97
MAVIGATION ALLOC/SPEC AL	1810.30	1242.93	12797.23	455116.35
NA TOTAL AL	12398.70	1242.93	96216.33	954430.61
DIV/ DIST	MMN	APP		
EG 40 PROJECT NAME	32 MCNARY LD OR WA	32 WILMTE FALLS LK OR	2	GRAND TOTAL
ガネ	က	က	eri.	



Navigation Operation and Maintenance: Expenditures for Harbors and WaterwaysFiscal Year 1996

APPENDIX D - Deep Draft Navigation Projects,
Navigation Cost Recovery Analysis by State,
O&M Expenditures for FY 1996 (Actual).

TABLE 1D

IMd	STAT	STATE NAME	DIV/ DIST	TOTAL	NAVIGATION COST	OTHER COST	COST	JOINTUSE RECOVERY COST COST	PROJECT TYPE
ALASKA									
360	AK	ANCHORAGE HBR AK	NPA	1494.19	1494.19	0.00	0.00	1494.19	SINGLE PUR NAV
16840	AK	CRESCENT BAY HARBOR, AK	NPA	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV
80508	ΑK	HOMER HBR AK	NPA	186.66	186.66	0.00	0.00	186.66	SINGLE PUR NAV
87071	AK	KETCHIKAN BAR PT HBR, AK	NPA	136.59	136.59	000	0.00	136.59	SINGLE PUR NAV
10169	AK	ST PAUL HARBOR AK	NPA	-0.50	-0.50	0.00	0.00	-0.50	SINGLE PUR NAV
631	ΑK	THOMAS BASIN (KETCHIKAN)	NPA	264.22	264.22	0.00	0.00	264.22	SINGLE PUR NAV
65015	AK	WRANGELL NARROWS AK	NPA	-719.19	-719.19	0.00	0.00	-719.19	SINGLE PUR NAV
		TOTAL		1361.97	1361.97	0.00	0.00	1361.97	
ALABAMA									
1120	AL	BAYOU LABATRE AL	SAM	39.72	39.72	0.00	0.00	39.72	SINGLE PUR NAV
11670	AL	MOBILE HBR AL	SAM	20344.11	20344.11	0.00	0.00	20344.11	SINGLE PUR NAV
		TOTAL		20383.83	20383.83	000	000	20383.83	
AMERICA SANGA	AMOA					٠			
87038	AS	OFU HBR SAMOA	РОО	0.63	0.63	0.00	0.00	0.63	SINGLE PUR NAV
		TOTAL		0.63	0.63	99'0	0.00	380	
CALIFORNIA	et.								
14360	CA	CH IS HBR CA	SPL	1875.33	1875.33	0.00	0.00	1875.33	SINGLE PUR NAV
4430	S	DANA POINT HARBOR CA	SPL	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV
7860	Ş	HUMBOLDT HBR BAY CA	SPN	2600.45	2600.45	0.00	0.00	2600.45	SINGLE PUR NAV
74719	Ş	L A AND LONG BEACH HBRS CA	SPL	1001.05	1001.05	0.00	0.00	1001.05	SINGLE PUR NAV

TABLE 1D

OPERATION AND MAINTENANCE EXPENDITURES (\$1,000) FY 1996 (ACTUAL) NAVIGATION COST RECOVERY ANALYSIS BY STATE **DEEP DRAFT NAVIGATION PROJECTS**

5 IMC	STAT!	STATENAME	/AIQ	TOTAL N	NAVIGATION OTHER JOINTUSE RECOVERY COST COST COST	OTHER .	IOINTUSE 1	RECOVERY COST	PROJECT TYPE
	ζ	1 A-1 B HARBOR MODEL, CA	SPL	205.60	205.60	0.00	0.00	205.60	SINGLE PUR NAV
37690	S S	MARINA DEL REY CA	SPL	1177.23	1177.23	0.00	00'0	1177.23	SINGLE PUR NAV
11860	S	MORRO BAY HBR CA	SPL	1672.07	1672.07	0.00	0.00	1672.07	SINGLE PUR NAV
11880	S	MOSS LANDING HBR CA	SPN	778.98	778.98	0.00	0.00	778.98	SINGLE PUR NAV
74703	3	NAPA BVR CA	SPN	35.37	35.37	0.00	0.00	35.37	SINGLE PUR NAV
74720	Q.	NEWPORT HARBOR CA	SPL	140.68	140.68	0.00	0.00	140.68	SINGLE PUR NAV
12990	₹ S	OAKLAND HBR CA	SPN	733.08	733.08	0.00	0.00	733.08	SINGLE PUR NAV
13080	5	OCEANSIDE HBR CA	SPL	317.66	317.66	0.00	0.00	317.66	SINGLE PUR NAV
13085	S	OCEANSIDE HBR SAND-BY-PASS	SPL	655.22	655.22	0.00	0.00	655.22	SINGLE PUR NAV
232	Ş	PORT SAN LUIS CA	SPL	0.80	0.80	0.00	0.00	0.80	SINGLE PUR NAV
74656	S	PT HUENEME CA	SPL	68.03	68.03	0.00	0.00	68.03	SINGLE PUR NAV
74722	S	REDONDO BEACH KING HBR CA	SPL	0.00	00'0	0.00	0.00	0.00	SINGLE PUR NAV
15100	Ş	REDWOOD CITY HBR CA	SPN	4700.00	4700.00	0.00	0.00	4700.00	SINGLE PUR NAV
15280	Ş	RICHMOND HBR CA	SPN	2264.24	2264.24	0.00	0.00	2264.24	SINGLE PUR NAV
76029	S	S FRANCISCO BAY DLT MDL CA	SPN	2609.75	1599.75	1010,00	0.00	1599.75	SINGLE PUR NAV
16230	S	S PABLO BAY MRE IS STR CA	SPN	299.91	299.91	0.00	0.00	299.91	SINGLE PUR NAV
15870	S	SACRAMENTO RVR CA	SPK	1312.12	1312.12	0.00	0.00	1312.12	SINGLE PUR NAV
16110	S	SAN DIEGO HBR CA	SPL	650.46	650.46	0.00	0.00	650.46	SINGLE PUR NAV
15750	Ş	SAN DIEGO-MISSION BAY CA	SPL	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV
16130	S	SAN FRANCISCO HBR CA	SPN	2080.35	2080.35	0.00	0.00	2080.35	SINGLE PUR NAV
16140	S	SAN FRANCISCO HBR DRFT REM	SPN	2066.07	2066.07	0.00	0.00	2066.07	SINGLE PUR NAV
16180	Ş	SAN JOAQUIN RVR CA	SPK	822.85	822.85	0.00	0.00	822.85	SINGLE PUR NAV
15730	CA	SANTA BARBARA HBR CA	SPL	1543.58	1543.58	0.00	0.00	1543.58	SINGLE PUR NAV
88920	S	SF BAY LONG TERM MGT STRAT	SPN	711.44	711.44	0.00	0.00	711.44	SINGLE PUR NAV

TABLE 1D

OPERATION AND MAINTENANCE EXPENDITURES (\$1,000) FY 1996 (ACTUAL) NAVIGATION COST RECOVERY ANALYSIS BY STATE **DEEP DRAFT NAVIGATION PROJECTS**

			00000			:			
PWI		STATENAME	DIST	COST	NAVIGATION COST	COST	JOINTUSE	RECOVERY COST	PROJECT TYPE
171	17720 CA	SUISUN BAY CHANNEL CA	SPN	960.82	960.82	0.00	0.00	960.82	SINGLE PUR NAV
24190	190 CA		SPL	1968.56	1968.56	0.00	0.00	1968.56	SINGLE PUR NAV
		TOTAL		33251.70	32241.76	1010.00	90'0	32241.70	
CONNECTICUT									
			MED	49.91	49.91	0.00	0.00	49.91	SINGLE PUR NAV
138	88 CT	8	WED	0.22	0.11	0.00	00.0	0.11	SINGLE PUR NAV
		TOTAL		50.13	50.02	000	900	50.02	
DISTRICT 19500	DISTRICT OF COLUMBIA 19500 DC N	MBIA WASHINGTON HBR DC	NAB	35.05	35.05	0:00	0.00	35.05	SING! F BUR NAV
		TOTAL		35.05	36.05	00'0	0.06	35.05	
DELAY	AARE								
73836	36 DE	C&D CAN BRIDGES MAJ REHAB	NAP	0.00	0.00	0.00	00.0	0.00	SINGLE PUR NAV
8215	15 DE	C&D CAN, ST GEORGES BR DE	NAP	14001.34	14001.34	0.00	0.00	14001.34	SINGLE PUR NAV
4570	70 DE	DEL RVR PA NJ PHILA TO S	NAP	20586.48	20586.48	0.00	0.00	20586.48	SINGLE PUR NAV
8160		IWW FM DEL R TO CHPKE B D	NAP	17690.73	17690.73	0.00	0.00	17690.73	SINGLE PUR NAV
20040	40 DE	WILMINGTON HBR DEL	NAP	2057.04	2057.04	0.00	0.00	2057.04	SINGLE PUR NAV
		TOTAL		54335.59	54335.59	000	90'0	54335.59	
FLORIDA	TOY.								
2520		CANAVERAL HARBOR FL	SAJ	2970.54	2970.54	0.00	0.00	2970.54	SINGLE PUR NAV
76018	8 五	CARRABELLE HARBOR FL	SAM	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV

TABLE 1D

FY 1996 (ACTUAL)

STATE NAME FL CHARLO	NAME CHARLOTTE HARBOR FL	DIV/ DIST SAJ	TOTAL COST 94.47	NAVIGATION OTHER JOINTUSE RECOVERY COST COST COST 94.47 0.00 0.00 94.47	OTHER COST	JOINTUSE COST 0.00	RECOVERY COST 94.47	PROJECT TYPE SINGLE PUR NAV
. FERNANDINA HARBOR FL.		SAJ	1403.25	1403.25	0.00	0.00	1403.25	SINGLE PUR NAV
. FORT PIERCE HARBOR FL		SAJ	274.30	274.30	0.00	0.00	274.30	SINGLE PUR NAV
. JACKSONVILLE HARBOR FL		SAJ	7742.50	7742.50	0.00	0.00	7742.50	SINGLE PUR NAV
FL MIAMI HBR FL		SAJ	188.11	188.11	0.00	0.00	188.11	SINGLE PUR NAV
FL PALM BEACH HBR FL		SAJ	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV
FL PALM BEACH HBR FL		SAJ	1613.62	1613.62	0.00	0.00	1613.62	SINGLE PUR NAV
FL PANAMA CITY HBR FL.		SAM	706.19	706.19	0.00	0.00	706.19	SINGLE PUR NAV
FL PENSACOLA HBR FL		SAM	0.30	0.30	0.00	0.00	0.30	SINGLE PUR NAV
PORT EVERGLADES HBR FL		SAJ	47.67	47.67	0.00	0.00	47.67	SINGLE PUR NAV
FL PT ST. JOE HBR FL		SAM	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV
. ST. PETERSBURG HBR FL		SAJ	38.87	38.87	0.00	0.00	38.87	SINGLE PUR NAV
FL TAMPA HARBOR FL		SAJ	3099.52	3099.52	0.00	0.00	3099.52	SINGLE PUR NAV
TOTAL.			18179.34	18179.34	900	000	18179.34	
GA BRUNSWICK HBR		SAS	3398.54	3398.54	00'0	0.00	3398.54	SINGLE PUR NAV
GA DARIEN HARBOR, GA		SAS	0.99	0.99	0.00	0.00	0.99	SINGLE PUR NAV
GA SAVANAH HBR LONG TRM MGT		SAS	9.84	9.84	0.00	0.00	9.84	SINGLE PUR NAV
GA SAVANNAH HBR		SAS	14092.57	14092.57	0.00	0.00	14092.57	SINGLE PUR NAV
TOTAL			17501.94	17501.94	000	000	17501.94	
HI HONOLULU HBR HI		Pod	8.74	8.74	0.00	0.00	8.74	SINGLE PUR NAV

TABLE 1D

	. IMd	STAT	STATE NAME	DIST	TOTAL I	NAVIGATION COST	OTHER	JOINTUSE RECOVERY COST COST	RECOVERY COST	PROJECT NPE
			TOTAL		8.74	8.74	90.0	00.0	8.74	
	HLINOIS			A						
	2410	=	CALUMET HBR RIL	သ	571.70	571.70	0.00	0.00	571.70	SINGLE PUR NAV
	45009	_	CHICAGO HBR IL	NCC	5405.14	5405.14	0.00	0.00	5405.14	SINGLE PUR NAV
	3810	=	CHICAGO RVR IL	SC	370.09	370.09	0.00	0.00	370.09	SINGLE PUR NAV
75	19560	_	WAUKEGAN HBR IL	NCC	644.95	644.95	0.00	0.00	644.95	SINGLE PUR NAV
			TOTAL		6991.88	6991.88	90'0	900	6891.88	
	INDIANA									
	2250	Z	BURNS WW HBR IN	NCC	890.81	890.81	0.00	0.00	890.81	SINGLE PUR NAV
	18120	Z	INDIANA HBR IN	SCC	486.19	486.19	0.00	0.00	486.19	SINGLE PUR NAV
	11060	Z	MICHIGAN CTY HBR IN	SCC	613.88	613.88	0.00	00:0	613.88	SINGLE PUR NAV
			TOTAL		1990.88	1990.88	000	000	1990.88	
	OUISIANA							•		
	8236	3	7.5 MCY STANDBY TIME	LMN	000	0.00	0.00	0.00	0.00	SINGLE PUR NAV
	680	3	ATCH R MORGAN CTY-GULF LA	LWN	8250.25	8250.25	0.00	0.00	8250.25	SINGLE PUR NAV
	2440	3	CALCASIEU R PASS LA	LMN	8707.58	8707.58	0.00	0.00	8707.58	SINGLE PUR NAV
	7760	3	HOUMA NAV CANAL LA	LW	1643.83	1643.83	0.00	0.00	1643.83	SINGLE PUR NAV
	11030	3	MERMENTAU RIVER LA	LW	3180.31	3180.31	0.00	0.00	3180.31	MULTI WO ALLOC
	89	5	MISS R-B RGE TO GULF LA	LAN	38460.69	38460.69	0.00	0.00	38460.69	SINGLE PUR NAV
	11410	\$	MISS R-GULF OUTLET LA	LMN	17004.48	17004.48	0.00	0.00	17004.48	SINGLE PUR NAV

TABLE 1D

			/AIQ		NAVIGATION		JOINTUSE	JOINTUSE RECOVERY	PROJECT
PWI ST	7	STATENAME	DIST	COST	COST	COST	COST	COST	TYPE
		TOTAL		77247 14	77247.14	0.00	0.00	77247 14	
SACHUSET	\$								
1960	ΑM	BOSTON HBR MA	NED	71.77	71.77	0.00	0.00	71.77	SINGLE PUR NAV
2620	Ψ	CAPE COD CNL MA	NED	7299.24	6587.90	711.34	0.00	6587.90	SINGLE PUR NAV
14200	MA	PLYMOUTH HBR MA	NED	1.36	1.36	0.00	0.00	1.36	SINGLE PUR NAV
		TOTAL		7372.37	6661,03	71134	000	6661,03	
3YLAND									
870	S	BALT HBR CHS MD & VA	NAB	2541.26	2541.26	0.00	0.00	2541.26	SINGLE PUR NAV
74955	ð	BALTIMORE HBR & 50FT CHANN	NAB	8776.74	8776.74	0.00	0.00	8776.74	SINGLE PUR NAV
871	9	BALTIMORE HBR DRIFT REMOVL	NAB	378.11	378.11	0.00	0.00	378.11	SINGLE PUR NAV
872	Ð	BALTIMORE HBR PREV OF OBST	NAB	503.24	503.24	0.00	0.00	503.24	SINGLE PUR NAV
294	Ð	POTOMAC R BLW WASH DC	NAB	90.82	90.82	0.00	0.00	90.82	SINGLE PUR NAV
		TOTAL		12290.17	12290.17	000	000	12290,17	
MAINE									
8890	뿔	KENNEBEC RIVER ME	NED	10.39	10.39	00'0	0.00	10.39	SINGLE PUR NAV
367	뿔	PORTLAND HBR ME	NED	145.45	145.45	0.00	0.00	145.45	SINGLE PUR NAV
		TOTAL		155.84	155.84	000	000	155.84	
MICHIGAN									
630	Σ	ASHLAND HBR MI	NCE	4.55	4.55	0.00	0.00	4.55	SINGLE PUR NAV

TABLE 1D

OPERATION AND MAINTENANCE EXPENDITURES (\$1,000) NAVIGATION COST RECOVERY ANALYSIS BY STATE **DEEP DRAFT NAVIGATION PROJECTS FY 1996 (ACTUAL)**

PWI	STAT	STATENAME	DIV/ DIST	TOTAL P	NAVIGATION OTHER COST COST		JOINTUSE COST	JOINTUSE RECOVERY COST COST	PROJECT TYPE
1110	W	BLACK RIVER-PORT HURON RVR	NCE	3.53	3.53	0.00	0.00	3.53	SINGLE PUR NAV
2990	Z	CHARLEVOIX HBR MI	NCE	223.25	223.25	0.00	0.00	223.25	SINGLE PUR NAV
74203	Z	CHEYBOYGAN HBR MI	NCE	3.75	3.75	0.00	0.00	3.75	SINGLE PUR NAV
2940	Z	CHS-LKE ST CLAIR MI	NCE	127.39	127.39	0.00	0.00	127.39	SINGLE PUR NAV
4710	Σ	DETROIT RVR MI	NCE	4980.58	4980.58	0.00	0.00	4980.58	SINGLE PUR NAV
6130	Z	FRANKFORT HBR MI	NCE	3.07	3.07	0.00	0.00	3.07	SINGLE PUR NAV
0299	Z	GD HAVEN HBR MI	NCE	1262.81	1262.81	0.00	0.00	1262.81	SINGLE PUR NAV
6671	Ξ	GRAND HAVEN HBR MIT SHR DM	NCE	64.20	64.20	0.00	0.00	64.20	SINGLE PUR NAV
46064	¥	GRAND MARAIS HBR MI	NCE	8.00	8.00	0.00	0.00	8.00	SINGLE PUR NAV
7300	¥	HARBOR BEACH HBR MI	NCE	3.04	3.04	0.00	0.00	3.04	SINGLE PUR NAV
7610	×	HOLLAND HARBOR MI	NCE	530.20	530.20	0.00	0.00	530.20	SINGLE PUR NAV
7611	Z	HOLLAND HBR MIT SHR DAM MI	NCE	26.00	56.00	0.00	0.00	26.00	SINGLE PUR NAV
8960	¥	KEWEENAW WW MI	NCE	481.96	481.96	0.00	0.00	481.96	SINGLE PUR NAV
10270	Z	LUDINGTON HARBOR MI	NCE	349.77	349.77	0.00	0.00	349.77	SINGLE PUR NAV
10480	Ī	MANISTEE HARBOR MI	NCE	277.03	277.03	0.00	0.00	277.03	SINGLE PUR NAV
48013	Z	MARQUETTE HBR MI	NCE	1.95	1.95	0.00	0.00	1.95	SINGLE PUR NAV
45044	Z	MENOMINEE HBR MI	NCE	26.41	26.41	0.00	0.00	26.41	SINGLE PUR NAV
11760	Z	MONROE HBR MI	NCE	155.35	155.35	0.00	0.00	155.35	SINGLE PUR NAV
12061	Ξ	MUSKEGON HARBOR MITIGATION	NCE	168.78	168.78	0.00	0.00	168.78	SINGLE PUR NAV
12060	Ξ	MUSKEGON HBR MI	NCE	681.62	681.62	0.00	0.00	681.62	SINGLE PUR NAV
13330	Σ	ONTONAGON HBR MI	NCE	769.35	769.35	0.00	0.00	769.35	SINGLE PUR NAV
13850	Σ	PENTWATER HBR MI	NCE	421.19	421.19	0.00	0.00	421.19	SINGLE PUR NAV
21530	Σ	PORTAGE LAKE HBR MI	NCE	130.34	130.34	0.00	0.00	130.34	SINGLE PUR NAV
48012	Z	PRESQUE ISLE HBR MI	NCE	0.85	0.85	0.00	0.00	0.85	SINGLE PUR NAV

TABLE 1D

PROJECT TYPE	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	MULTI WO ALLOC	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV			SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV			SINGLE PUR NAV	SINGLE PUR NAV
RECOVERY COST	102.57	8.72	1831.01	812.18	801.97	11752.84	719.03	107.78	210.09	27081.16		2750.90	2.67	3.27	2756.84		1643.96	1644.91 3288.87
JOINTUSE RECOVERY COST COST	0.00	0.00	0.00	0.00	0.00	3778.40	0.00	0.00	0.00	3778.40		0.00	0.00	00.00	000		000	0.00
OTHER COST	0.00	0.00	0.00	0.00	0.00	2477.20	0.00	0.00	0.00	2477,20		513.40	0.00	0.00	513.40		0.00	0.00
NAVIGATION COST	102.57	8.72	1831.01	812.18	801.97	11375.00	719.03	107.78	210.09	26703.32		2750.90	2.67	3.27	2756.84		1643.96	1644.91 3288.87
TOTAL P	102.57	8.72	1831.01	812.18	801.97	17630.60	719.03	107.78	210.09	32958.92		3264.30	2.67	3.27	3270.24		1643.96	1644.91 3288.87
DIV/ DIST	NCE	NCE	NCE	NCE	NCE	NCE	NCE	NCE	NCE			NCE	NCE	NCE			SAM	SAM
STATENAME	ROUGE RVR MI	SAGINAW RIVER DIKE DISPOSL	SAGINAW RVR MI	ST CLAIR RVR MI	ST JOSEPH HBR MI	ST MARYS R MI	ST. JOSEPH HBR MIT SHR DAM	WHITE LAKE HBR MI	WHITE LK HBR MIT SHR DAM	TOTAL		DULUTH-SUPERIOR MN	GRAND MARAIS HBR MN	TWO HBRS MN	TOTAL		GULFPORT HARBOR MS	PASCAGOULA HBR MS Total
STATE	W	Z	Ξ	Z	Ξ	Ξ	Σ	Z	Z			W	M	M			MS	MS
IWI	15590	44064	57420	17300	17350	17380	17351	19810	74176		MINNESOTA	5050	99871	18700		MSSISSIM	7150	13680

NORTH CAROLINA

TABLE 1D

OPERATION AND MAINTENANCE EXPENDITURES (\$1,000) FY 1996 (ACTUAL) NAVIGATION COST RECOVERY ANALYSIS BY STATE **DEEP DRAFT NAVIGATION PROJECTS**

iMd	STAT	STATENAME	/AIQ	TOTAL P	NAVIGATION COST	OTHER .	JOINTUSE RECOVERY	RECOVERY	PROJECT TYPE
1210	S	BEAUFORT HBR NC	SAW	00'0	0.00	0.00	0.00	0.00	SINGLE PUR NAV
2640	S	CAPE FEAR R ABOVE WILM NC	SAW	415.10	273.60	141.50	0.00	273.60	SINGLE PUR NAV
11810	S	MOREHD CTY HBR NC	SAW	2313.10	2313.10	0.00	0.00	2313.10	SINGLE PUR NAV
20030	S	WILMINGTON BW NC	SAW	7545.03	7545.03	0.00	0.00	7545.03	SINGLE PUR NAV
		TOTAL		10273.23	10131.73	141.50	0.00	10131.73	
NEW HAMP	SHIRE	PTSMTH HBR PISTAQUA RIVER TOTAL	NED	5.42	2.71	000	000	2.71	SINGLE PUR NAV
NEW JERSEY	*			•				•	
80	3	ABSECON INLET NJ	NAP	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV
22140	3	COLD SPRNG INLET	NAP	520.16	520.16	0.00	0.00	520.16	SINGLE PUR NAV
43005	3	DEL RIV/PHIL TO CAMDEN NJ	NAP	24.30	24.30	0.00	0.00	24.30	SINGLE PUR NAV
12550	3	NWRK B HCKSAK PASS R NJ	NAN	365.26	365.26	0.00	0.00	365.26	SINGLE PUR NAV
12520	3	NY NJ CHS NY NJ	NAN	77.24	77.24	0.00	0.00	77.24	SINGLE PUR NAV
14860	3	RARITAN RIVER NJ	NAN	-126.39	-126.39	0.00	0.00	-126.39	SINGLE PUR NAV
21870	3	RTN R ARTHR KILL CUT C NJ	NAN	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV
24950	2	SALEM RIVER NJ	NAP	2.41	2.41	0.00	0.00	2.41	SINGLE PUR NAV
		TOTAL		862.98	862.98	0.06	0.06	862.98	
NEW YORK									
1040	ž	BAY RDGE RED HOOK CH NY	NAN	39.50	39.50	0.00	0.00	39.50	SINGLE PUR NAV
1660	ž	BL ROCK CH TONAWANDA HBR	NCB	3546.51	3546.51	0.00	0.00	3546.51	SINGLE PUR NAV

TABLE 1D

	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>			>	>	>	>	>	>
PROJECT TYPE	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV			SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	VAN SIIG E ISNIS
JOINTUSE RECOVERY COST COST	613.47	819.85	262.10	84.38	293.84	2391.90	1109.33	-50.43	637.47	219.49	6471.46	4986.70	709.43	393.56	37.43	22565.99		428.46	5440.47	649.44	329.96	1229.99	2089.37
JOINTUSE	0.00	0.00	0.00	00.0	00.0	0.00	00.0	00'0	00'0	00.0	00.0	00.0	0.00	0.00	0.00	000		0.00	0.00	0.00	0.00	0.00	900
OTHER COST	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	900		00.00	0.00	0.00	0.00	0.00	000
NAVIGATION COST	613.47	819.85	262.10	84.38	293.84	2391.90	1109.33	-50.43	637.47	219.49	6471.46	4986.70	709.43	393.56	37.43	22565.99		428.46	5440.47	649.44	329.96	1229.99	2089.37
TOTAL N	613.47	819.85	262.10	84.38	293.84	2391.90	1109.33	-50.43	637.47	219.49	6471.46	4986.70	709.43	393.56	37.43	22565,99		428.46	5440.47	649.44	329.96	1229.99	2089.37
DIV/ DIST	NCB	NAN	NCB	NAN	NCB	NAN	NAN	NAN	NAN	NCB	NAN	NAN	NAN	NCB	NCB			NCB	NCB	NCB	NCB	NCB	NCB
STATENAME	BUFFALO HBR NY	BUTTERMILK CH NY	DUNKIRK HBR NY	EAST RIVER NY	GT SODUS BAY HBR NY	HUDSON R NY TO ALB(MNT)	HUDSON R NY TO ALB(0&C)	HUDSON R. CHANNEL, NY	JAMAICA BAY NY	LITTLE SODUS BAY HBR NY	NEW YORK HARBOR NY	NEW YORK HBR DRIFT, NY	NY HABOR PREV OF OBSTRUCTN	OSWEGO HBR NY	ROCHESTER HBR NY	TOTAL		ASHTABULA HBR OH	CLEVELAND HBR OH	CONNEAUT HBR OH	FAIRPORT HBR OH	HURON HBR OH	LORAIN HBR OH
STATE	λ	×	λ	λ	Ϋ́	Ā	Ž	Ā	Ä	×	Ž	Ā	À	×	M			ᆼ	ᆼ	ᆼ	동	ᆼ	ᆼ
PWI	2140	41015	20600	41062	0989	7810	7820	7800	54000	9970	12490	12500	17760	13440	15390		OHO	650	3430	3770	2260	7920	10060

TABLE 1D

PWI	STAT	STATENAME	DIV/ DIST	TOTAL N	NAVIGATION OTHER COST COST		OINTUSE COST	JOINTUSE RECOVERY COST COST	PROJECT TYPE
16260	동	SANDUSKY HBR OH	NCB	109.76	109.76	0.00	0.00	109.76	SINGLE PUR NAV
18280	동		NCB	2973.53	2973.53	0.00	0.00	2973.53	SINGLE PUR NAV
		TOTAL		13250.98	13250.98	90'0	900	13250,98	
OREGON									
8238	8	7.5 MCY STANDBY TIME	NPP	0.26	0.26	0.00	0.00	0.26	SINGLE PUR NAV
80546	В	BONNEVILLE LOCK DAM OR WA	NPP	19131.90	6761.80	12370.10	0.00	6761.80	MULTI W ALLOC
	e B	COL R BTN VNCR DALLES OR	NPP	249.83	249.83	0.00	0.00	249.83	SINGLE PUR NAV
3630	OB	COLMBA LWR WLMTE RVR OR	NPP	17041.83	17041.83	0.00	0.00	17041.83	SINGLE PUR NAV
3600	S B	COLUMBIA R AT MOTH OR WA	MPP	6661.66	6661.66	0.00	0.00	6661.66	SINGLE PUR NAV
3840	e B	COOS BAY OR	MPP	2635.31	2635.31	0.00	0.00	2635.31	SINGLE PUR NAV
14370	OB	PORT ORFORD OR	MPP	465.94	465.94	0.00	0.00	465.94	SINGLE PUR NAV
72765	S B	SEWARD HARBOR, OR	NPA	209.01	209.01	0.00	0.00	209.01	SINGLE PUR NAV
16860	e B	SIUSLAW RIVER OR	NPP	394.96	394.96	0.00	0.00	394.96	SINGLE PUR NAV
16930	8 B	SKIPANON CHANNEL OR	MPP	15.89	15.89	0.00	0.00	15.89	SINGLE PUR NAV
18230	8	TILLAMOOK BAY BAR OR	A d d	7.21	7.21	0.00	0.00	7.21	SINGLE PUR NAV
18750	8	UMPQUA RIVER OR	MAN	707.81	707.81	0.00	0.00	707.81	SINGLE PUR NAV
20290	e B	YAQUINA BAY HBR OR	MPP	1725.48	1725.48	0.00	0.00	1725.48	SINGLE PUR NAV
		TOTAL		49247.09	36876.99	12370.10	0.00	8687838	
PENNSYLVANIA	VANIA								
8237	PA	7.5 MACY STANDBY TIME	NAP	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV
4550	PA	DEL RVR BETWN PHILA TREN	NAP	3363.17	3363.17	0.00	0.00	3363.17	SINGLE PUR NAV
2600	PA	ERIE HBR PA	NCB	895.61	895.61	0.00	0.00	895.61	SINGLE PUR NAV

TABLE 1D

OPERATION AND MAINTENANCE EXPENDITURES (\$1,000) FY 1996 (ACTUAL) NAVIGATION COST RECOVERY ANALYSIS BY STATE **DEEP DRAFT NAVIGATION PROJECTS**

			/AIQ	TOTAL	NAVIGATION OTHER JOINTUSE RECOVERY	OTHER	JOHNTUSE	RECOVERY	PROJECT
_		STATENAME	DIST	COST	COST	COST	COST	COST	TYPE
7,	73836 PA	A MAJOR REHAB-C&D BRIDGES,PA	NAP	00.0	0.00	0.00	0.00	0.00	SINGLE PUR NAV
=	16550 PA	A SCHUYLKILL R PA	NAP	1916.71	1916.71	0.00	0.00	1916.71	SINGLE PUR NAV
		TOTAL		6175,49	6175.49	000	0.00	6175,49	
PUER	PUERTO RICO								
×	20500 PR	R ARECIBO HBR PR	SAJ	0.00	0.00	00'0	0.00	0.00	SINGLE PUR NAV
%			SAJ	00'0	0.00	0.00	0.00	0.00	SINGLE PUR NAV
7,		R PONCE HBR PR	SAJ	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV
7	16190 PR	R SAN JUAN HBR PR	SAJ	44.28	44.28	0.00	0.00	44.28	SINGLE PUR NAV
RHOE	RHODE ISLAND								
2	73445 RI		NED	75.78	75.78	0.00	0.00	75.78	SINGLE PUR NAV
,			NED	124.59	124.59	0.00	0.00	124.59	SINGLE PUR NAV
~	_		NED	124.50	124.50	0.00	0.00	124.50	SINGLE PUR NAV
/	568 RI	SAKONNET HBR RI	NED	0.16	0.16	0.00	0.00	0.16	SINGLE PUR NAV
		TOTAL		325.03	325.03	0.00	0.00	325.03	
SOUT	SOUTH CAROLINA								
2	2980 SC	CHARLESTON HARBOR SC	SAC	3533.45	3533.45	0.00	0.00	3533.45	SINGLE PUR NAV
αĵ			SAC	331.60	331.60	0.00	0.00	331.60	SINGLE PUR NAV
7,	_		SAC	2824.98	2808.98	16.00	00'0	2808.98	SINGLE PUR NAV
φ	6480 SC	GEORGETOWN HARBOR SC	SAC	2423.17	2423.17	0.00	0.00	2423.17	SINGLE PUR NAV

TABLE 1D

DEEP DRAFT NAVIGATION PROJECTS

NAVIGATION COST RECOVERY ANALYSIS BY STATE

OPERATION AND MAINTENANCE EXPENDITURES (\$1,000) FY 1996 (ACTUAL)

	PWI	STAT	STATENAME	DIV/	TOTAL N	NAVIGATION OTHER COST COST		JOINTUSE COST	JOINTUSE RECOVERY COST COST	PROJECT TYPE
	14380	SC	PORT ROYAL HARBOR SC	SAC	932.98	932.98	00'0	0.00	932.98	SINGLE PUR NAV
	16730	သွ	SHIPYARD RVR SC	SAC	726.82	726.82	0.00	0.00	726.82	SINGLE PUR NAV
	-	SC	TOWN CK SC	SAC	393.92	393.92	0.00	0.00	393.92	SINGLE PUR NAV
			TOTAL		11166.92	11150.92	16.00	0.00	11150.92	
	TEXAS	1001000								
83	88912	¥	BARBOUR TERMINAL SHIP CNL	SWG	-75.33	-75.33	0.00	0.00	-75.33	SINGLE PUR NAV
3	88910	¥	BAYPORT SHIP CHANNEL	SWG	2438.66	2438.66	0.00	0.00	2438.66	SINGLE PUR NAV
	1990	ዾ	BRAZOS IS TX	SWG	673.91	673.91	0.00	0.00	673.91	SINGLE PUR NAV
	2930	ዾ	CH TO FT BOLIVAR TX	SWG	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV
	8213	ዾ	CHANNEL TO RED BLUFF, TX	SWG	151.61	151.61	0.00	0.00	151.61	SINGLE PUR NAV
	14340	ዾ	CORPUS CHRISTI CH TX	SWG	2876.19	2876.19	0.00	0.00	2876.19	SINGLE PUR NAV
	6170	ዾ	FREEPORT HBR TX	SWG	5947.44	5947.44	0.00	0.00	5947.44	SINGLE PUR NAV
	6340	ዾ	GALVESTON HBR CH TX	SWG	321.20	321.20	0.00	0.00	321.20	SINGLE PUR NAV
	88911	ዾ	GREENS BAYOU CHANNEL, TX	SWG	0.23	0.23	0.00	0.00	0.23	SINGLE PUR NAV
	7780	¥	HOUSTON SHIP CHNL	SWG	4305.67	4305.67	0.00	0.00	4305.67	SINGLE PUR NAV
	10810	¥	MATAGORDA SHIP CHNL TX	SWG	3844.89	3844.89	0.00	0.00	3844.89	SINGLE PUR NAV
	15780	¥	SABINE-NECHES WW TX	SWG	17118.47	17118.47	0.00	0.00	17118.47	SINGLE PUR NAV
	18130	ĭ	TEXAS CITY TX	SWG	1640.88	1640.88	0.00	0.00	1640.88	SINGLE PUR NAV
			TOTAL		39243.62	39243.82	0.00	90'0	39243.82	
	VIRGINIA	90000								
Ĭ	73772	*	CAPE CHARLES CITY HBR VA	NAO	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV
	73783	۸	CH TO NEWPORT NEWS VA	NAO	947.23	947.23	0.00	0.00	947.23	SINGLE PUR NAV

NAVIGATION COST RECOVERY ANALYSIS BY STATE **DEEP DRAFT NAVIGATION PROJECTS TABLE 1D**

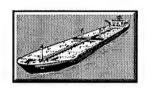
FY 1996 (ACTUAL)

OPERATION AND MAINTENANCE EXPENDITURES (\$1,000)

PWI STAT	STATE NAME	DIV/ DIST	TOTAL 1 COST	NAVIGATION COST	OTHER .	JOINTUSE COST	JOINTUSE RECOVERY COST COST	PROJECT TYPE
1002 VA	HAMPTON ROADS DRIFT REMOVL	NAO	676.15	676.15	0.00	0.00	676.15	SINGLE PUR NAV
15170 VA	HAMPTON ROADS PRE OF OBST	NAO	310.50	310.50	0.00	0.00	310.50	SINGLE PUR NAV
8430 VA	JAMES RVR VA	NAO	3945.26	3945.26	0.00	0.00	3945.26	SINGLE PUR NAV
12801 VA	NORFOLK HBR CHS VA	NAO	6191.46	6191.46	0.00	0.00	6191.46	SINGLE PUR NAV
597 VA	POTOMAC R AT ALEX VA	NAB	36.59	36.59	0.00	0.00	36.59	SINGLE PUR NAV
14520 VA	POTOMAC R. DRIFT REMOVL VA	NAB	858.59	858.59	0.00	0.00	858.59	SINGLE PUR NAV
73800 VA	THIMBLE SHOAL CH VA	NAO	1205.10	1205.10	0.00	0.00	1205.10	SINGLE PUR NAV
73803 VA	YORK RIVER VA	NAO	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV
	TOTAL		14170.88	14170.88	0.00	0.00	14170.88	
WASHINGTON								
1310 WA	BELLINGHAM HBR WA	NPS	328.31	328.31	0.00	0.00	328.31	SINGLE PUR NAV
79205 WA	EDIZ HOOK WA	NPS	5.32	5.32	0.00	0.00	5.32	SINGLE PUR NAV
5700 WA	EVERETT HBR SNOHOMISH RV	NPS	912.49	912.49	0.00	0.00	912.49	SINGLE PUR NAV
24370 WA	FRIDAY HARBOR	NPS	70.82	70.82	0.00	0.00	70.82	SINGLE PUR NAV
6770 WA	GRAYS HBR WA	NPS	7560.15	7560.15	0.00	0.00	7560.15	SINGLE PUR NAV
87153 WA	KENMORE NAVIGATION CH	NPS	95.53	95.53	0.00	0.00	95.53	SINGLE PUR NAV
72920 WA	LAKE CROCKETT WA	NPS	2.06	2.06	0.00	0.00	2.06	SINGLE PUR NAV
9400 WA	LK WASHINGTON SHP CNL WA	NPS	6419.80	5904.50	515.30	0.00	5904.50	SINGLE PUR NAV
13320 WA	OLYMPIA HBR WA	NPS	16.22	16.22	0.00	0.00	16.22	SINGLE PUR NAV
13970 WA	PUGET SOUND ITS TRIB WW	NPS	756.49	756.49	0.00	0.00	756.49	SINGLE PUR NAV
67318 WA	SEATTLE HBR WA	NPS	622.60	622.60	0.00	0.00	622.60	SINGLE PUR NAV
72902 WA	TACOMA HBR WA	NPS	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV
19990 WA	WILLAPA HBR	NPS	137.33	137.33	0.00	0.00	137.33	SINGLE PUR NAV

NAVIGATION COST RECOVERY ANALYSIS BY STATE OPERATION AND MAINTENANCE EXPENDITURES (\$1,000) DEEP DRAFT NAVIGATION PROJECTS **FY 1996 (ACTUAL) TABLE 1D**

S IMd	TATE	STATENAME	//IQ	TOTAL 1	NAVIGATION OTHER JOINTUSE RECOVERY COST COST COST	OTHER COST	JOINTUSE	RECOVERY COST	PROJECT TYPE
		TOTAL		16927.12	16411.82	515.30	0.00	16411.82	
WISCOMSIN		2000							
74180	⋝	GREEN BAY HBR DIKE DISP WI	NCE	144.28	144.28	0.00	0.00	144.28	SINGLE PUR NAV
6910	M	GREEN BAY HBR WI	NCE	1515.67	1515.67	0.00	0.00	1515.67	SINGLE PUR NAV
8910	M	KENOSHA HARBOR WI	NCE	47.90	47.90	00'0	0.00	47.90	SINGLE PUR NAV
76050	₹	KEWAUNEE HARBOR WI	NCE	240.32	240.32	0.00	0.00	240.32	SINGLE PUR NAV
10510	×	MANITOWOC HBR WI	NCE	120.78	120.78	0.00	0.00	120.78	SINGLE PUR NAV
11270	×	MILWAUKEE HBR WI	NCE	4247.21	4247.21	0.00	0.00	4247.21	SINGLE PUR NAV
23370	₹	OCONTO HBR WI	NCE	0.74	0.74	0.00	00.0	0.74	SINGLE PUR NAV
74190	¥	PORT WING HBR WI	NCE	1.03	1.03	0.00	0.00	1.03	SINGLE PUR NAV
14420	×	PT WASHINGTON HBR WI	NCE	1.35	1.35	0.00	0.00	1.35	SINGLE PUR NAV
66700	₹	SHEBOYGAN HBR WI	NCE	87.17	87.17	0.00	00'0	87.17	SINGLE PUR NAV
17660	×	STURGEON B & L MICH CAN, WI	NCE	117.97	117.97	0.00	00.00	117.97	SINGLE PUR NAV
18710	×	TWO RVRS HBR WI	NCE	1103.45	1103.45	0.00	00'0	1103.45	SINGLE PUR NAV
		TOTAL		7627.87	7627.87	00.0	0.00	7627.87	



Navigation Operation and Maintenance: Expenditures for Harbors and Waterways Fiscal Year 1996

APPENDIX E - Shallow Draft Navigation <u>Projects Not</u>

<u>Subject to the Inland Waterway Fuel Tax,</u>

Navigation Cost Recovery Analysis by <u>State,</u> O&M

Expenditures for FY 1996 (Actual).

SHALLOW DRAFT NAVIGATION PROJECTS NOT SUBJECT TO INLAND WATERWAY FUEL TAX **OPERATION AND MAINTENANCE EXPENDITURES (\$1,000)** NAVIGATION COST RECOVERY ANALYSIS BY STATE FY 1996 (ACTUAL) TABLE 21S

IMd	STATE	E NAME	DIV/ DIST	TOTAL	NAVIGATION COST	OTHER COST	JOINTUSE COST	RECOVERY COST	PROJECT TYPE
ALASKA				1					
12640	AK	NINILCHIK HARBOR	NPA	171.62	171.62	0.00	0.00	171.62	SINGLE PUR NAV
4800	AK	DILLINGHAM HBR AK	NPA	362.07	362.07	0.00	0.00	362.07	SINGLE PUR NAV
72789	AK	DOUGLAS HBR AK	NPA	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV
72791	AK	DRY PASS AK	NPA	42.23	42.23	0.00	0.00	42.23	SINGLE PUR NAV
72742	AK	NOME HBR AK	NPA	523.40	523.40	0.00	0.00	523.40	SINGLE PUR NAV
72849	AK	VALDEZ HBR AK	NPA	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV
89		TOTAL		1099.32	1099.32	000	0.00	1099.32	
ALABAMA									
74520	AL	BAYOU CODEN AL	SAM	12.31	12.31	0.00	0.00	12.31	SINGLE PUR NAV
26060	AF	BON SECOUR RVR AL	SAM	35.48	35.48	0.00	0.00	35.48	SINGLE PUR NAV
4480	AL	DAUPHIN ISLE BAY AL	SAM	250.15	250.15	0.00	0.00	250.15	SINGLE PUR NAV
20710	AL	DOG AND FOWL RIVERS, AL	SAM	676.10	676.10	0.00	0.00	676.10	SINGLE PUR NAV
5970	AL.	FLY CREEK AL	SAM	102.11	102.11	0.00	0.00	102.11	SINGLE PUR NAV
13880	¥	PERDIDO PASS CH AL	SAM	30.41	30.41	0.00	0.00	30.41	SINGLE PUR NAV
		TOTAL		1106.56	1106.56	0.00	90'0	1106.56	
		2000							
ARKANSAS	V		T MAA	247.03	247.00	5	6	247.02	VAN GIIG E SONIO
13430	A A	œ	MM	408.32	408.32	8 6	000	408 32	SINGLE PUR NAV
87282	AB	RT, AR	LMK	31.63	31.63	0.00	00'0	31.63	SINGLE PUR NAV
		TOTAL		657.87	657.87	0:00	000	657.87	
AMERICA CAN	E7.4								
87108	AS	AUASI SBH, AM SAMOA	PoD	5.92	5.92	00'0	0.00	5.92	SINGLE PUR NAV

SHALLOW DRAFT NAVIGATION PROJECTS NOT SUBJECT TO INLAND WATERWAY FUEL TAX **TABLE 21S**

OPERATION AND MAINTENANCE EXPENDITURES (\$1,000) NAVIGATION COST RECOVERY ANALYSIS BY STATE

FY 1996 (ACTUAL)

IMd	STATE	NAME	DIV/ DIST	TOTAL P	NAVIGATION COST	OTHER	JOINTUSE	RECOVERY COST	PROJECT TYPE
87036	AS	AUNUU HBR AS	POD	65.43	65.43	0.00	0.00	65.43	SINGLE PUR NAV
		TOTAL		71.35	71.35	000	90'0	7135	
CALIFORNIA									
74701	S	HALF MOON BAY/PILAR PT HBR	SPN	87.00	87.00	0.00	0.00	87.00	SINGLE PUR NAV
12940	CA	NOYO RVR HBR CA	SPN	7.08	7.08	0.00	0.00	7.08	SINGLE PUR NAV
13940	CA	PETALUMA RVR CA	SPN	345.60	345.60	0.00	0.00	345.60	SINGLE PUR NAV
74709	CA	S RAFAEL CK CA	SPN	99.0	99.0	0.00	0.00	99.0	SINGLE PUR NAV
8187	CA	SACRAMENTO RVR CA	SPK	223.56	223.56	0.00	0.00	223.56	SINGLE PUR NAV
15810	C V	SACRAMENTO RVR DEBRIS CTRL	SPK	754.45	309.45	445.00	0.00	309.45	SINGLE PUR NAV
20410	CA	YUBA RIVER DEBRIS TREAT CA	SPK	14.29	14.29	0.00	0.00	14.29	SINGLE PUR NAV
		TOTAL		1432.64	987.64	445.00	0.00	987.84	
FIGHTONIC									
5910	CI	FIVE MILE RIVEB. CT	NED	117.90	117.90	0.00	000	117.90	SINGI E PIJB NAV
231	5	GUILFORD HBR CT	NED	0.19	0.19	0.00	0.00	0.19	SINGLE PUR NAV
76064	C.	STONY CK BRANFORD CONN	NED	0.18	0.18	0.00	0.00	0.18	SINGLE PUR NAV
		TOTAL		118.27	118.27	000	000	118.27	
DISTRICT OF C	COLIMBIA								
73608	2		NAB	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV
		TOTAL		0.00	000	0.00	000	0.00	
DELAWARE	38888								
8110	吕	INDIAN RVR INLET BAY DEL	NAP	477.72	477.72	0.00	0.00	477.72	SINGLE PUR NAV
8170	핌	IWW REHOBOTH BAY TO DELA	NAP	154.23	154.23	0.00	0.00	154.23	SINGLE PUR NAV

SHALLOW DRAFT NAVIGATION PROJECTS NOT SUBJECT TO INLAND WATERWAY FUEL TAX **OPERATION AND MAINTENANCE EXPENDITURES (\$1,000)** NAVIGATION COST RECOVERY ANALYSIS BY STATE **TABLE 21S**

FY 1996 (ACTUAL)

PROJECT TYPE	SINGLE PUR NAV	SINGLE PUR NAV			SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV
RECOVERY COST	-2.17	39.19	668.97		4.02	93.33	00'0	0.00	00.0	0.00	00'0	22.71	0.00	1038.91	2.33	0.20	0.50	99.04	89.09	56.15	0.00	10.94	0.00	95.27	3765.20
JOINTUSE	0.00	0.00	0.00		0.00	0.00	00'0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	00.00	00'0	0.00	00'0	00.00	00'0	00'0	0.00	00'0	0.00	0.00
OTHER COST	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	00'0	00.00	00'0	00'0	00.00	00'0	00.0	00'0	00.0	00'0	0.00	0.00	884.00
NAVIGATION COST	-2.17	39.19	668.97		4.02	93.33	0.00	0.00	0.00	0.00	0.00	22.71	0.00	1038.91	2.33	0.20	0.50	99.04	60.68	56.15	0.00	10.94	0.00	95.27	3765.20
TOTAL P	-2.17	39.19	668.97		4.02	93.33	0.00	0.00	0.00	0.00	0.00	22.71	0.00	1038.91	2.33	0.20	0.50	99.04	89.09	56.15	0.00	10.94	0.00	95.27	4649.20
DIV/ DIST	NAP	NAP			SAJ	SAM	SAJ	SAM	SAJ	SAJ	SAJ	SAJ	SAJ	SAM	SAJ	SAM	SAJ	SAJ	SAJ	SAJ	SAM	SAJ	SAJ	SAJ	SAJ
NAME	MISPILLION RVR DEL	MURDERKILL RVR	TOTAL		ANCLOTE RIVER, FL	APALACHICOLA BAY FL	BAKERS HAULOVR INLT FL	BLACKWATER RVR FL	CEDAR ISLAND KEATON BCH FL	CH, NAPLES-BIG MARCO FL	CLEARWATER PASS FL	CROSS FLA BARGE CANAL FL	CRYSTAL RIVER, FL	EAST PASS CHANNEL FL	EAU GALLIE HBR FL	ESCAMBIA-CONECUH RV FL AL	FORT MYERS BEACH FL	HORSESHOE COVE, FL	IWW CLCHEE R TO ANLTE R F	JOHNS PASS, PINELLAS, FL	LA GRANGE BAYOU FL	LONGBOAT PASS FL	MELBOURNE HBR FL	NEW PASS SARASOTA FL	OKEECHOBEE WWY, FL
STATE	四	핌			료	교	귙	귙	귙	교	ద	교	교	ద	교	చ	겁	卍	교	卍	卍	႕	<u></u>	교	ፈ
IMd		12020		FLORIDA	74478	430	74482	23230	87215	12150	3400	4300	74488	4980	74489	5620	6220	74495	2480	1001	9280	23100	22250	74483	13240

TABLE 21S

	ЬWН	STATE	NAME	DIV	TOTAL	NAVIGATION COST	OTHER	OTHER JOINTUSE	HECOVERY	PROJECT TVPE
	13250	F	OKLAWAHA RI	SAJ	125.48	125.48	0.00	00'0	125.48	SINGLE PUR NAV
	7510	చ	PANACEA HBR FL	SAM	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV
	14310	귙	PONCE DE LEON INLET FL	SAJ	245.93	245.93	0.00	0.00	245.93	SINGLE PUR NAV
	75027	귙	ST AUGUSTINE HBR FL	SAJ	3192.12	3192.12	0.00	00.0	3192.12	SINGLE PUR NAV
	74542	교	ST MARKS R FL	SAM	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV
	74387	귙	ST. JOHNS R TO LK HRVY FL	SAJ	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV
	17370	귙	ST. LUCIE INLET FL	SAJ	510.53	510.53	0.00	00'0	510.53	SINGLE PUR NAV
92	74508	귙	STEINHATCHEE RIVER, FL	SAJ	-0.70	-0.70	0.00	00.0	-0.70	SINGLE PUR NAV
)	74391	료	SUWANEE RIVER, FL	SAJ	0.13	0.13	0.00	00.00	0.13	SINGLE PUR NAV
	74393	귙	WITHLACOOCHIE RIVER	SAJ	38.46	38.46	0.00	00'0	38.46	SINGLE PUR NAV
			TOTAL		10245.23	9361.23	884.00	0.00	9361.23	
	GEORGIA									
	7380	ďΥ	HARTWELL GA,SC	SAS	8580.20	117.30	8462.90	0.00	117.30	MULTI W ALLOC
	16450	ВĄ	SAV R BELOW AUGUSTA GA SC	SAS	1677.66	1677.66	0.00	0.00	1677.66	SINGLE PUR NAV
	3350	ď	THURMOND DAM & RES	SAS	8571.10	193.90	8377.20	0.00	193.90	MULTI W ALLOC
			TOTAL		18828.96	1988.86	16840.10	0.00	1988.86	
	IOWA									
	74041	≰	DAVENPORT SMALL BOAT HBR	NCB	4.94	4.94	0.00	0.00	4.94	SINGLE PUR NAV
	88828	₹	FORT MADISON HARBOR, IA	NCB	72.21	72.21	0.00	0.00	72.21	SINGLE PUR NAV
	74251	≰	MUSCATINE HBR	NCS	16.00	16.00	0.00	0.00	16.00	SINGLE PUR NAV
			TOTAL		93.15	93.15	000	0.06	93.15	
	ELINOIS	20.00								
	74228	=	ANDALUSIA HBR, IL	NCR	42.07	42.07	0.00	0.00	42.07	SINGLE PUR NAV

TABLE 21S

5 IMd	STATE	NAME	DIW DIST	TOTAL	NAVIGATION COST	OTHER	JOINTUSE	RECOVERY COST	PROJECT TYPE
	=	LAKE MICHIGA	NCC	406.31	406.31	0.00	0.00	406.31	SINGLE PUR NAV
88825	_	ROCK ISLAND SM BOAT HARBOR	NCB	65.97	65.97	0.00	0.00	65.97	SINGLE PUR NAV
		TOTAL		514,35	514.35	000	0.00	514.35	
NDIAKA	i			į					
8/38/	Z	BUHNS WAIEH WAY SBH TOTAL	SSC	137.50 ‡37.50	137.50 137.50	0.00	0.00	137.50 137. 5 0	SINGLE PUR NAV
KENTUCKY									
10220	Ž	LICKING RIVER OPEN CHANNEL	ORL	10.66	10.66	0.00	0.00	10.66	SINGLE PUR NAV
22020	₹	STAHR HBR, HICKMAN PORT	LMM	302.37	302.37	0.00	0.00	302.37	SINGLE PUR NAV
		TOTAL		313.03	313.03	000	00'0		
E OUISTANA 900	4	BABATABIA BAY WW LA	LMN	2141.88	2141.88	000	000	2141 88	VAN RIJE H SNIS
158	4	BAYOU LACOMBE	LMN	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV
24	4	BAYOU SEGNETTE WWY, LA	LMN	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV
1150	4	BAYOU TECH LA	LMI	173.77	173.77	0.00	0.00	173.77	SINGLE PUR NAV
1160	5	BAYOU TECH VERMILLION R LA	LMN	58.58	58.58	0.00	00'0	58.58	SINGLE PUR NAV
2310	4	BYU LAFOURCHE & JUMP WW,LA	LMI	8.66	8.66	0.00	0.00	8.66	SINGLE PUR NAV
2330	4	CADDO LAKE LA TX	LMK	127.50	0.00	62.90	64.60	6.46	MULTI WO ALLOC
6200	4	FRESHWATER BAYOU LA	LWI	1664.40	1664.40	0.00	0.00	1664.40	SINGLE PUR NAV
9360	4	LAKE PROVIDENCE HBR LA	LWK	203.92	203.92	0.00	0.00	203.92	SINGLE PUR NAV
87168	4	MADISON PARISH PORT	LMK	40.00	40.00	0.00	00'0	40.00	SINGLE PUR NAV
æ	4	MISS R OUTLTS VENICE LA	LMN	1870.38	1870.38	0.00	00'0	1870.38	SINGLE PUR NAV
99984	4	MR&T-BATON ROUGE HBR	LMV	405.00	405.00	0.00	0.00	405.00	SINGLE PUR NAV

TABLE 21S

				- 1					
			/AIO		NAVIGATION OTHER		m	RECOVERY	PROJECT
PWI	STATE	NAME	DIST	COST	COST	COST	COST	COST	TYPE
22390	4	PETIT ANSE, TIGRE, CARLIN BY	LMN	0.00	0.00	0.00	00'0	0.00	SINGLE PUR NAV
17970	4	TANGIPOHOA RV LA	LWIN	57.32	57.32	0.00	0.00	57.32	SINGLE PUR NAV
201	4	TICKFAW & NATALBANY	LMN	1.40	1.40	0.00	0.00	1.40	SINGLE PUR NAV
202	4	WW FM EMPIRE TO GULF LA	LMN	63.23	63.23	0.00	0.00	63.23	SINGLE PUR NAV
188	4	WW IWW TO BAYOU DULAC LA	LWI	18.52	18.52	0.00	0.00	18.52	SINGLE PUR NAV
		TOTAL		6834.56	8707.06	62.90	64.80	6713.52	
6 MASSACHUSET	2								
87009	MA	ANDREWS RVR MA	NED	-0.62	-0.62	0.00	0.00	-0.62	SINGLE PUR NAV
39001	MA	CHATHAM HBR MA	NED	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV
3560	MA	COHASSET HBR MA	MED	16.89	16.89	0.00	0.00	16.89	SINGLE PUR NAV
409	MA	CUTTYHUNK HBR MA	NED	0.00	0.00	0.00	0.00	0.00	SINGLE PUR NAV
2080	MA	DUXBURY HBR MA	NED	763.90	763.90	0.00	0.00	763.90	SINGLE PUR NAV
6920	MA	GREEN HBR MA	RD	229.08	229.08	0.00	0.00	229.08	SINGLE PUR NAV
421	MA	HYANNIS HBR MA	NED	53.00	53.00	0.00	0.00	53.00	SINGLE PUR NAV
39018	MA	NEWBURYPORT HBR MA	SED	338.83	338.83	0.00	0.00	338.83	SINGLE PUR NAV
438	MA	ROCKPORT HBR MA	NED	6.15	6.15	0.00	0.00	6.15	SINGLE PUR NAV
39062	MA	SCITUATE HARBOR, MA	RED	438.69	438.69	0.00	0.00	438.69	SINGLE PUR NAV
452	WA	WELLFLEET HBR MA	RED	-0.08	-0.08	0.00	0.00	-0.08	SINGLE PUR NAV
		TOTAL		1845.84	1845.84	000	900	1845.84	
MARYLAND	00000								
73554	Q	BROAD CK MD	NAB	139.83	139.83	0.00	0.00	139.83	SINGLE PUR NAV
73557	₽	CHESTER RVR MD	NAB	63.45	63.45	0.00	00'0	63.45	SINGLE PUR NAV
51950	æ	CRISFIELD HBR MD	NAB	35.54	35.54	0.00	00.0	35.54	SINGLE PUR NAV
73583	QW	FISHING BAY MD	NAB	67.34	67.34	0.00	0.00	67.34	SINGLE PUR NAV

TABLE 21S

PROJECT TYPE	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV			SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV
RECOVERY COST	20.21	0.10	35.73	715.48	0.91	404.50	9.47	0.00	0.00	27.74	125.28	0.57	-38.95	25.00	36.83	0.00	115.05	123.46	1907.54		79.13	1.91	35.84
JOINTUSE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
OTHER COST	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	000		0.00	0.00	0.00
NAVIGATION COST	20.21	0.10	35.73	715.48	0.91	404.50	9.47	0.00	0.00	27.74	125.28	0.57	-38.95	25.00	36.83	0.00	115.05	123.46	1907.54		79.13	1.91	35.84
TOTAL I	20.21	0.10	35.73	715.48	0.91	404.50	9.47	0.00	0.00	27.74	125.28	0.57	-38.95	25.00	36.83	0.00	115.05	123.46	1907.54		79.13	1.91	35.84
DIV/ DIST	NAB	NAB	NAB	NAB	NAB	NAB	NAB	NAB	NAB	NAB	NAB	NAB	NAB	NAB	NAB	NAB	NAB	NAB			NED	S S	NED
NAME	FISHING CK MD	HERRING B ROCKHD CK MD	HERRING CK TALL TIMBERS MD	HONGA R TAR BAY MD	ISLAND CK ST. GEO IS MD	KNAPPS NARROWS	MUDDY HOOK/TYLER COVES MD	NANTICOKE AT NANTICOKE	NANTICOKE RV DE MD	NORTHEAST RVR MD	OCEAN CTY HBR SNPXENT BY	POCOMOKE RIVER MD	RHODES PT TO TYLERTON MD	SHALLOW CREEK,MD	TILGHMAN IS HBR MD	TRED AVON RVR MD	TWITCH CV THOROFARE R MD	WICOMICO RVR MD	TOTAL		CRIEHAVEN HBR ME	JOSIAS R ME	KENNEBUNK RVR ME
STATE	MD	Q.	W	Ø	Q.	MD	MD	Ø	Ø	Ð	Ø	Q	Ð	Ø	Q.	Ø	MD	æ			W	¥	ME
bWI	73584	73585	62011	22690	73588	73589	40025	73564	73549	27009	73567	73570	73574	87544	40108	73600	73602	73606		MAINE	339	39054	8900

SINGLE PUR NAV SINGLE PUR NAV

194.84 0.19

0.00

0.00

194.84 0.19

194.84 0.19

ROYAL RVR ME SACO RVR ME

W W

15640 15860

TABLE 21S

PROJECT TYPE	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV			SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV
RECOVERY COST	36.24	132.59	19.99	32.17	585.59	1118.49		124.33	0.43	0.50	1.24	29.58	221.72	2.95	4.00	3.57	18.67	0.14	-0.40	38.18	0.00	288.80	178.32	97.00	69.24
JOINTUSE	0.00	0.00	0.00	0.00	0.00	000		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	00.0	0.00	0.00	00.0	00'0	00'0	0.00	0.00
OTHER COST	0.00	0.00	0.00	0.00	0.00	980		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NAVIGATION OTHER JOINTUSE COST COST COST	36.24	132.59	19.99	32.17	585.59	1118,49		124.33	0.43	0.50	1.24	29.58	221.72	2.95	4.00	3.57	18.67	0.14	-0.40	38.18	0.00	288.80	178.32	97.00	69.24
TOTAL	36,24	132.59	19.99	32.17	585.59	1118.49		124.33	0.43	0.50	1.24	29.58	221.72	2.95	4.00	3.57	18.67	0.14	-0.40	38.18	0.00	288.80	178.32	97.00	69.24
DIV/ DIST	NED	NED	NED	NED	NED			NCE	NCE	NCE	NCE	NCE	NCE	NCE	NCE	NCE	NCE	NCE	NCE	NCE	NCE	NCE	NCE	NCE	NCE
NAME	SCARBORO RIVER, ME	SESUIT HBR	UNION RIVER,ME	WELLS HBR ME	YORK HARBOR, ME	TOTAL		ARCADIA HBR MI	BAY PORT HARBOR, MI	BIG BAY HBR MI	BLACK R UPR PEN	BOLLES HARBOR MI	CASEVILLE HARBOR MI	CLINTON RIV MI	EAGLE HBR MI	GRAND TRAVERSE HBR MI	GREILICKVILLE HARBOR, MI	HAMMOND BAY HBR MI	HARRISVILLE HARBOR MI	INLAND ROUTE MICHIGAN	LAC LA BELLE HBR MI	LELAND HBR MI	LEXINGTON HARBOR MI	LEXINGTON HBR MIT SHR DAM	LITTLE LAKE HBR MI
STATE	ME	æ	¥	¥	WE			Ξ	Z	Z	×	Z	¥	Z	Σ	Z	Ξ	Ē	Z	Ξ	Ī	¥	¥	₹	Z
IMd	21800	8193	387	39023	72501		MERICAN	46063	76062	1410	1640	87750	74199	3490	22870	6730	46103	74208	53550	48140	9210	46018	74006	73909	9890

TABLE 21S

TYPE	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV			SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	
							467.91 SII			0.90 SI	264.03 SII	-,	45.00 SI				582.39					• • • • • • • • • • • • • • • • • • • •
,_	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0:00	0.00	0.00	0.00	0.00	0.00	00'0		0.00	0.00	0.00	
ပ	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	00:00	0:00	0.00	0.00	0.00	0.00	0.00	000		0.00	0.00	0.00	
COST	359.89	137.50	61.26	0.13	2.38	220.81	467.91	1.70	0.04	0.90	264.03	16.84	45.00	233.46	23.00	90.0	582.39		155.10	167.69	271.45	
	359.89	137.50	61.26	0.13	2.38	220.81	467.91	1.70	0.04	06.0	264.03	16.84	45.00	233.46	23.00	90.0	582.39		155.10	167.69	271.45	
DIST	SCE	NCE	NCE	NCE	NCE	NCE	NCE	NCE	NCE	NCE	NCS	NCS	NCS	NCS	NCS	NCS			LMM	LMM	LMS	
NAME	NEW BUFFALO HBR MI	PORT SANILAC HBR MI	PORT SANILAC HBR MIT SHR D	PT AUSTIN HBR MI	PT LOOKOUT HBR MI	SAUGATUCK HBR MI	SEBEWAING RIVER MI	SOUTH HAVEN HBR MI	SOUTH HAVEN HBR MIT SHR DM	TAWAS BAY HARBOR, MI	MINNESOTA RIVER MN	RED WING COMMERCIAL HBR	ST. PAUL SML BT HBR, MN	WARROAD HBR MN	WINONA SMALL BOAT HBR	ZIPPEL BAY SM BOAT HBR, MN	TOTAL		CARUTHERSVILLE HBR MO	NEW MADRID HBR MO	SOUTHEAST MO PORT, MS R, MO	
STATE	Z	¥	¥	¥	Ξ	Σ	Ξ	Σ	Σ	Σ	N	M	Ν	N	N	Ν		;	ş	№	MO	***************************************
	1020	46039	14410	74213	14220	16390	76061	17180	17181	74019	MINNESCTA 11310	88809	88807	48011	88816	87343		MISSOURI	87092	33012	87404	***************************************

TABLE 21S

													_										
PROJECT TYPE	VAN BIIG HISNIA	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV			SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	
RECOVERY COST	284.01	301.33	133.50	147.31	170.00	209.00	66.59	142.44	0.00	0.00	1454.18		40.37	0.00	72.06	658.73	3309.61	132.34	78.00	0.31	45.44	12.71	4349.57
JOINTUSE	00	0.00	0.00	0.00	0.00	00.0	00'0	0.00	0.00	00.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	000
OTHER COST	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	000		0.00	00.0	00'0	0.00	00'0	00'0	0.00	0.00	0.00	0.00	000
NAVIGATION COST	284.01	301.33	133.50	147.31	170.00	209.00	66.59	142.44	0.00	00.0	1454.18		40.37	0.00	72.06	658.73	3309.61	132.34	78.00	0.31	45.44	12.71	4349.57
TOTAL P	284.01	301.33	133.50	147.31	170.00	209.00	66.59	142.44	0.00	0.00	1454,18		40.37	0.00	72.06	658.73	3309.61	132.34	78.00	0.31	45.44	12.71	4349.57
DIV/ DIST	WY	SAM	LMK	LMK	LMV	LMV	SAM	LMK	SAM	LMK			SAW	NAO	SAW	SAW	SAW	SAW	SAW	SAW	SAW	SAW	
NAME	BII OXI HBB MG	CADET BAYOU MS	CLAIBORNE CO PORT MS	MOUTH OF YAZOO RIVER, MS	MR&T-GREENVILLE HBR	MR&T-VICKSBURG HBR	PASS CHRISTIAN HBR MS	ROSEDALE HBR MS	WOLF & JORDAN RVRS, MS	YAZOO RIVER MS	TOTAL		BELHAVEN HBR NC	CHOWAN R NC	DRUM INLET NC	LOCKWD FOLLY R NC	MANTEO BAY NC	PAMLICO & TAR R NC	ROANOKE RVR NC	ROLLINSON CH NC	SILVER LKE HBR NC	WW CONN PAMLISD BEAU HB	TOTAL
STATE	2	S S	MS	WS	WS	MS	WS	WS	WS	W		wet	2	S	S	S	S	2	2	S	Š	S	
3 IMd	MESSISSIPPI	20600	87249	493	8666	99983	74564	87072	20160	20350		WORTH CAROL IN	1290	73752	26060	10020	10580	74615	22510	15490	16800	74632	

TABLE 21S

SHALLOW DRAFT NAVIGATION PROJECTS NOT SUBJECT TO INLAND WATERWAY FUEL TAX

OPERATION AND MAINTENANCE EXPENDITURES (\$1,000) NAVIGATION COST RECOVERY ANALYSIS BY STATE FY 1996 (ACTUAL)

PROJECT TYPE	SINGLE PUR NAV	SINGLE PUR NAV			SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV			SINGLE PUR NAV
RECOVERY COST	3.05	22.82	25.87		1211.58	0.00	10.80	0.00	0.49	324.94	0.80	617.93	2507.44	0.00	70.41	113.39	611.26	1.68	5.83	5476.55		39.33
JOINTUSE	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	00'0	0.00	00.0	0.00	0.00	0.00	0.00	000		0.00
OTHER COST	0.00	0.00	000		0.00	0.00	00.0	0.00	0.00	0.00	0.00	0.00	00'0	0.00	00'0	00.0	0.00	00.0	0.00	000		0.00
NAVIGATION COST	3.05	22.82	25.87		1211.58	0.00	10.80	0.00	0.49	324.94	0.80	617.93	2507.44	0.00	70.41	113.39	611.26	1.68	5.83	5476.55		39.33
TOTAL COST	3.05	22.82	25.87		1211.58	0.00	10.80	0.00	0.49	324.94	0.80	617.93	2507.44	0.00	70.41	113.39	611.26	1.68	5.83	5476.55		39.33
DIV! DIST	NED	NED			NAP	NAP	NAN	NAP	NAN	NAP	NAN	NAP	NAP	NAP	NAN	NAN	NAN	NAP	NAP			NAN
NAME	HAMPTON HBR NH	LITTLE HARBOR, NH	TOTAL		BARNEGAT INLET NJ	CEDAR CREEK	CHEESEQUAKE CREEK, NJ	COHANSEY RIVER NJ	KEYPORT HBR NJ	MANASQUAN RVR NJ	MATAWAN CREEK NJ	MAURICE RIVER NJ	WWI CN	RACCOON CRK NJ	SHARK RVR NJ	SHOAL HBR CMPTN CK NJ	SHREWSBURY RVR NJ	TOMS RIVER, NJ	TUCKERTON CREEK	TOTAL		BRONX RVR NY
STATE	Ħ	Ħ			3	3	3	3	3	3	3	3	3	3	3	3	3	3	2			×
iMd	NEW HAMPSHIRE 39063	509		NEW JERSEY	036	87211	73626	3540	8980	10450	10410	73841	8190	73892	41007	41035	16780	73894	18580		NEW YORK	41057

TABLE 21S

	AV	٩٨	٩٨	A۷	8	A۷	A۷	A۷	٨	٩٨	A	A	A	A	٨	٩٨	A۷	٩٨	AV	A۷			AV	ΙΑV	ΙΑV
PROJECT TYPE	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	MULTI WO ALLOC	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NA	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV			SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV
RECOVERY COST	0.33	5.50	2733.54	39.63	250.17	437.74	0.00	4620.10	960.53	1003.18	0.03	46.33	0.18	4.23	44.60	0.23	49.75	66.40	39.94	0.23	10341.97		0.00	62.45	158.71
JOINTUSE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
OTHER COST	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	000		0.00	0.00	0.00
NAVIGATION OTHER JOINTUSE RECOVERY COST COST COST	0.33	5.50	2733.54	39.63	250.17	437.74	0.00	4620.10	960.53	1003.18	0.03	46.33	0.18	4.23	44.60	0.23	49.75	66.40	39.94	0.23	10341.97		0.00	62.45	158.71
TOTAL I	0.33	5.50	2733.54	39.63	250.17	437.74	0.00	4620.10	960.53	1003.18	0.03	46.33	0.18	4.23	44.60	0.23	49.75	66.40	39.94	0.23	10341.97		0.00	62.45	158.71
DIV/ DIST	NAN	NCB	NAN	NAN	NAN	NAN	NCB	NAN	NAN	NAN	NAN	NAN	NCB	NCB	NAN	NAN	NAN	NCB	NAN	NCB			NCB	NCB	NCB
NAME	BROWN CK NY	CATTARAUGUS CRK NY	E ROCKAWAY INLET NY	EAST CHESTER CRK NY	FIRE I INLT TO JONES NY	GLEN COVE CRK NY	IRONDEQUOIT BAY, NY	JONES INLT NY	LAKE MONTAUK HBR NY	MATTITUCK HBR NY	MILTON HBR NY	NRWS LKE CHAMPLAIN NY VT	OAK ORCHARD HBR NY	OLCOTT HBR NY	PORT CHESTER HBR NY	RONDOUT HARBOR NY	SHINNECOCK INLET NY	STURGEON POINT, NY	WESTCHESTER CK NY	WILSON HBR NY	TOTAL		PORT CLINTON HBR OH	ROCKY R HBR OH	VERMILLION HBR OH
STATE	ΑN	¥	×	Ň	¥	Ň	ķ	N	¥	×	Ň	¥	×	Ň	¥	¥	Ň	Ň	Ž	¥		9000	ᆼ	동	ᆼ
IMd	41022	73920	5220	41004	5880	73686	8220	41006	9340	41082	11250	12200	12980	44066	73747	73705	73644	87433	41003	73938		OHO	21540	44072	44003

TABLE 21S

PROJECT TYPE	SINGLE PUR NAV		SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV			SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV			SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	
RECOVERY COST	0.00	221.18	463.98	1037.17	1.60	160.93	39.37	998.18	328.10	3029,33		-8.80	174.95	6.52	172.67		0.02	252.12	0.02	26.65	40.01	318.82
JOINTUSE	0.00	000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	900		0.00	0.00	0.00	000		0.00	0.00	0.00	0.00	0.00	0.00
OTHER COST	0.00	90 û	0.00	0.00	0.00	0.00	0.00	0.00	0.00	000		0.00	0.00	0.00	9,00		0.00	0.00	0.00	0.00	0.00	000
NAVIGATION COST	0.00	221.16	463.98	1037.17	1.60	160.93	39.37	998.18	328.10	3029.33		-8.80	174.95	6.52	172.67		0.02	252.12	0.02	26.65	40.01	318.82
TOTAL COST	0.00	221.16	463.98	1037.17	1.60	160.93	39.37	998.18	328.10	3029,33		8.80	174.95	6.52	172.67		0.02	252.12	0.02	26.65	40.01	318.82
DIV/ DIST	NCB		d d X	NPP	NPP	NPP	NPP	NPP	NPP			NED	NED	NED			SAC	SAC	SAC	SAC	SAC	
NAME	WEST HBR, OH	TOTAL	CHETCO RIVER	COLUM. R. BTN CHNK SD IS	COLUMBIA R BAKER BAY	COQUILLE R OR	DEPOE BAY OR	ROGUE RVR HBR GOLD BH	YAQUINA RVR OR	TOTAL		BULLOCKS PT CVE RI	LITTLE NARRAGANSETT BAY	PATCHOGUE RVR RI CONN	TOTAL		BROOKGREEN GARDEN CANAL	FOLLY RVR SC	JEREMY CREEK SC	LITTLE RIVER INLET SC	MURRELLS INLET SC	TOTAL
STATE	Ю		8	В	e B	В	В	O.	В			<u>E</u>	æ	æ		44	သွ	သွ	သွ	သွ	သွ	
IWd	74025		CHEGON 3130	23080	3570	3300	4610	15600	20300		THE TOTAL PROPERTY.	556 556	562	87008		SOUTH CAROLIN	87533	87088	88855	9930	12030	

SHALLOW DRAFT NAVIGATION PROJECTS NOT SUBJECT TO INLAND WATERWAY FUEL TAX **TABLE 21S**

OPERATION AND MAINTENANCE EXPENDITURES (\$1,000) NAVIGATION COST RECOVERY ANALYSIS BY STATE FY 1996 (ACTUAL)

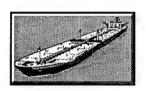
PROJECT TYPE	SINGLE PUR NAV	SINGLE PUR NAV		MULTI W ALLOC	SINGLE PUR NAV	MULTI W ALLOC	SINGLE PUR NAV			SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV
RECOVERY COST	1930.00	314.59 2244.59		117.30	626.82	19.90	701.70	1465.72		54.81	0.00	0.00	11.73	6.6	816.45	119.95	594.47	0.00	9.26	324.79	0.00
JOINTUSE COST	0.00	0.00		0.00	0.00	0.00	0.00	900		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OTHER COST	0.00	0.00		1615.90	0.00	1930,10	0.00	3546 00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NAVIGATION COST	1930.00	314.59 2244.59		117.30	626.82	19.90	701.70	1465.72		54.81	0.00	0.00	11.73	66.6	816.45	119.95	594.47	00.0	9.26	324.79	0.00
TOTAL I	1930.00	314.59 2244.59		1733.20	626.82	1950.00	701.70	5011.72		54.81	0.00	0.00	11.73	9.99	816.45	119.95	594.47	0.00	9.26	324.79	0.00
DIV/ DIST	LMV	LMM		SWF	SWG	SWF	SWG			NAO	NAO	NAO	NAO	NAO	NAO	NAO	NAO	NAO	NAO	NAO	NAO
NAME	MR&T-MCKELLER LK HBR	WOLF RVR HBR TN TOTAL		BENBROOK LAKE TX	CEDAR BAYOU TX	GRAPEVINE LAKE TX	TRINITY RIVER, TX	TOTAL		APPOMATTOX RIVER VA	BLACKWATER RIVER, VA	BROAD CREEK VA	CHINCOTEAGUE BAY VA	CHINCOTEAGUE HBR REFG VA	CHINCOTEAGUE INLET VA	CRANES CREEK VA	DEEP CR NEWPORT NEWS VA	GREENVALE CK, LANE CO, VA	HORN HARBOR, VA	HOSKINS CREEK, VA	LAFAYETTE RIVER, VA
STATE	₽	Ę		¥	Ķ	¥	¥			۸	۸	۸	۸	۸	۸	X	۸	Ϋ́	۸	Α,	A
. IMd	TENENSSEE 99981	20150	TEXAS	1350	2810	0929	18510		VIRGINIA	30580	27028	582	10890	5841	76106	585	75117	780	73776	20920	73778

TABLE 21S

	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	>	06.0		>	
PROJECT TYPE	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	000		SINGLE PUR NAV	
RECOVERY COST	37.00	0.00	0.00	0.00	35.85	0.00	0.00	0.00	0.00	0.00	161.68	0.00	0.00	442.73	244.28	529.10	32.09	0.00	0.00	0.00	1371.59	4795,77		0.49	0.49
JOINTUSE	0.00	0.00	0.00	0.00	00'0	0.00	00'0	00.0	00'0	00'0	00'0	0.00	0.00	00.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	00'0		0.00	00'0
COST COST	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	00'0		0.00	000
NAVIGATION COST	37.00	0.00	0.00	0.00	35.85	0.00	0.00	0.00	0.00	0.00	161.68	0.00	0.00	442.73	244.28	529.10	32.09	0.00	0.00	0.00	1371.59	4795.77		0.49	0.49
TOTAL COST	37.00	0.00	0.00	0.00	35.85	0.00	0.00	0.00	0.00	0.00	161.68	0.00	0.00	442.73	244.28	529.10	32.09	0.00	0.00	0.00	1371.59	4795,77		0.49	0.49
DIV/ DIST	NAB	NAO	NAB	NAO	NAB	NAO	NAO	NAO	NAO	NAO	NAO	NAO	NAO	NAO	NAO	NAO	NAO	NAO	NAO	NAO	NAO			NAN	
NAME	LITTLE WICOMICO RVR VA	LYNNHAVEN INLET VA	MONROE BAY CK VA	NANSEMOND RIVER VA	NEABSCO CK VA	NEWPORT NEWS CREEK	NOTTOWAY RIVER	OYSTER CREEK VA	PAGAN RIVER, VA	PARKER CRK VA	QUEENS CREEK VA	QUINBY CRK VA	RAPPAHANNOCK R VA	RUDEE INLET, VIRGINIA	STARLINGS CREEK VA	TANGIER CHANNEL VA	TYLERS BEACH VA	WHITINGS CREEK, MIDDLE	WILLOUGHBY CHANNEL, VA	WINTER HARBOR VA	WW COAST OF VA	TOTAL		BURLINGTON HARBOR, VT	TOTAL
STATE	۸۸	۸	۸			۸	۸			Α,		Α.	Α,			Α.	۸		۸		Α Χ			H M	
PWI	9980	10310	592	73784	73542	21640	•	73792	•	76011	795	14770	14850	87455	42001	27650	76107	605	73801	73802	19550		VERMONT	73727	

TABLE 21S

PROJECT TYPE	SINGLE PUR NAV SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV		SINGLE PUR NAV	SINGLE PUR NAV	SINGLE PUR NAV		
RECOVERY COST	4373.19 0.73 4373.92	205.74	0.20	2117.30	0.03	00'0	2328.25	1060.34	0.60	00:00	1060.94	7426483
JOINTUSE	0.00	0:00	0.00	0.00	0.00	0.00	90'0	0.00	0.00	0.00	0.00	64.60
OTHER COST	00.0 00.0 60 0	0.00	0.00	0.00	0.00	0.00	000	0.00	0.00	0.00	0.00	21778.00
NAVIGATION COST	4373.19 0.73 4373.92	205.74	0.20	2117.30	0.03	0.00	2328.25	1060.34	09:0	0.00	1960.94	74258.17
TOTAL	4373.19 0.73 4373.92	205.74	0.20	2117.30	0.03	0.00	2328.25	1060.34	0.60	0.00	1060,94	52,001.96
DIV/ DIST	NPS	NCE	NCE NCE	NCE	NCE	NCE		SH.	ORH	ORH		
NAME	QUILLAYUTE RIVER SWINOMISH CHANNEL TOTAL	ALGOMA HARBOR WI	BIG SUAMICO HARBOR	FOX RIVER WI	PENSAUKEE HBR WI	SAXON HBR WI	TOTAL	BIG SANDY HARBOR	ELK RIVER HARBOR	PORTSMOUTH HARBOR	TOTAL	TOTAL ALL STATES
STATE	WA	M	X X	₹	M	×		M	M	¥		
IMd	WASHINGTON 14760 17870	VISCONSIN 74177	612	6610	74189	16500		WEST VIRGINIA 10222	88833	10221		



APPENDIX F - Deep Draft Navigation Projects, Navigation Cost Recovery Analysis by <u>Segment</u>, O&M Expenditures for FY 1996 (Estimated - President's Budget).

TABLE 1D

SS	S PROJECT NAME	WID TSIC	NA TOTAL AL	NAVIGATION ALLOC/SPEC ALL	OTHER HOC/SPEC	JOINT	RECOVERY	PROJECT	CWIS
4	MISS R-B RGE TO GULF LA	LMN	8			0.00	51836.00	SING F PITE NAV	2
4	ATCH R MORGAN CTY-GULG LA	LMN	12786.00	12786.00	0.00	0.0	12786.00	SINGLE PUR NAV	089
4	BRAZOS IS TX	SWG	1038.00	1038.00	0.00	0.00	1038.00	SINGLE PUR NAV	1990
₹ '	CALCASIEU R PASS LA	LW	4095.00	4095.00	0.00	0.00	4095.00	SINGLE PUR NAV	2440
4	FREEPORT HBR TX	SWG	2870.00	2870.00	0.00	0.00	2870.00	SINGLE PUR NAV	6170
4	GALVESTON HBR CH TX	SWG	136.00	136.00	0.00	0.00	136.00	SINGLE PUR NAV	6340
4	HOUMA HAV CANAL LA	LMN	3897.00	3897.00	0.00	0.00	3897.00	SINGLE PUR NAV	7760
4	HOUSTON SHIP CHNL	SWG	5823.00	5823.00	0.00	0.00	5823.00	SINGLE PUR NAV	7780
₹ .	NATAGORDA SHIP CHNL TX	SWG	5145.00	5145.00	0.00	0.00	5145.00	SINGLE PUR NAV	10810
10	MERMENTAU RIVER LA	LWN	2081.00	2081.00	0.00	0.00	2081.00	MULTI WO ALLOC	11030
7	MISS R-GULF OUTLET LA	LMN	12054.00	12054.00	0.00	0.00	12054.00	SINGLE PUR NAV	11410
4	CORPUS CHRISTI CH TX	SWG	2190.00	2190.00	0.00	0.00	2190.00	SINGLE PUR NAV	14340
₹ '	SABINE-NECHES WW TX	SWG	11946.00	11946.00	0.00	0.00	11946.00	SINGLE PUR NAV	15780
4 .	TEXAS CITY TX	SWG	1525.00	1525.00	0.00	0.00	1525.00	SINGLE PUR NAV	18130
•			117423.00	117423.00	00'0	000	117423.00		
5	CHARLOTTE HARBOR FL	SAJ	3275.00	3275.00	000	000	9975 00		
ĸ	GULFPORT HARBOR MS	SAM	2876.00	2876.00	00.0	999	00.5756	SINGLE PUR NAV	3000
S	MOBILE HBR AL	SAM	17780.00	17780 00	00.0	8 6	17790 00	SINGLE PUR NAV	7150
ß	PANAMA CITY HBR FL	SAM	717.00	717.00	0.00	0.00	717.00	SINGLE PUR NAV	13640
ហ	PASCAGOULA HBR MS	SAM	2998.00	2998.00	0.00	0.00	2998.00	SINGLE PUR NAV	13680
2	PT ST. JOE HBR FL	SAM	72.00	72.00	0.00	0.00	72.00	SINGLE PUR NAV	14390
2	TAMPA HARBOR FL	SAJ	3744.00	3744.00	0.00	0.00	3744.00	SINGLE PUR NAV	17960
ia.			31462.00	31462,00	0.00	000	31462.00		
24	GT SODUS BAY HBR NY	NCB	10.00	10.00	000	000	900	CINCI E DID MAY	0909
24	OSWEGO HBR NY	NCB	496.00	496.00	0.00	0.00	496.00	SINGLE PUR NAV	13440
7.			506.00	505.00	00'0	000	206.00		
25	ASUTADULA HBR OH	NCB	1088 00	00 000	000	6			
52	BL ROCK CH TONAWANDA HBR	a C	3205.00	3305.00	0.00	9.0	00.88.00	SINGLE PUR NAV	650
í		1	00,5020	3205.00	0.00	0.00	3205.00	SINGLE PUR NAV	1660

TABLE 1D

SEC	PROJECT NAME	/VIO DIST	NA TOTAL ALI	NAVIGATION ALLOC/SPEC A	OTHER ALLOC/SPEC	JOINT	HECOVERY AMOUNT	PROJECT TYPE	CWIS
25	BUFFALO	NCB	455.00	455.00	0.00	0.00	_455.00_	SINGLE PUR NAV	2140
52	CLEVELAND HBR OH	NCB	13038.00	13038.00	0.00	00'0	13038.00	SINGLE PUR NAV	3430
25	CONNEAUT HBR OH	NCB	655.00	655.00	0.00	0.00	655.00	SINGLE PUR NAV	3770
22	DETROIT RVR MI	NCE	4729.00	4729.00	0.00	0.00	4729.00	SINGLE PUR NAV	4710
25	ERIE HBR PA	NCB	468.00	468.00	0.00	0.00	468.00	SINGLE PUR NAV	2600
25	HURON HBR OH	NCB	820.00	820.00	0.00	0.00	820.00	SINGLE PUR NAV	7920
25	LORAIN HBR OH	NCB	407.00	407.00	0.00	0.00	407.00	SINGLE PUR NAV	10060
25	MONROE HBR MI	NCE	772.00	772.00	0.00	0.00	772.00	SINGLE PUR NAV	11760
25	ROUGE RVR MI	NCE	297.00	297.00	0.00	0.00	297.00	SINGLE PUR NAV	15590
ន 1(SANDUSKY HBR OH	NCB	1030.00	1030.00	0.00	0.00	1030.00	SINGLE PUR NAV	16260
% 80	TOLEDO HBR OH	NCB	3502.00	3502.00	0.00	0.00	3502.00	SINGLE PUR NAV	18280
25	DUNKIRK HBR NY	NCB	309.00	309.00	0.00	0.00	309.00	SINGLE PUR NAV	20600
52			30775.00	30775.00	0.00	0.00	30775.00		
26	CHS-LKE ST CLAIR MI	NCE	245.00	245.00	0.00	0.00	245.00	SINGLE PUR NAV	2940
26	HARBOR BEACH HBR MI	NCE	77.00	77.00	0.00	0.00	77.00	SINGLE PUR NAV	7300
56	ST CLAIR RVR MI	NCE	868.00	868.00	0.00	0.00	868.00	SINGLE PUR NAV	17300
56	ST MARYS R MI	NCE	14962.00	9175.00	2487.00	3300.00	9505.00	MULTI WO ALLOC	17380
26	SAGINAW RVR MI	NCE	1802.00	1802.00	0.00	0.00	1802.00	SINGLE PUR NAV	57420
26	ALPENA HBR MI	NCE	218.00	218.00	0.00	00.0	218.00	SINGLE PUR NAV	74196
28			18172.00	18172.00	2487,00	3300.00	12715.00		
27	BURNS WW HBR IN	S	1545.00	1545.00	0.00	0.00	1545.00	SINGLE PUR NAV	2250
27		SC	00.009	600.00	0.00	0.00	600.00	SINGLE PUR NAV	2410
27	CHARLEVOIX	NCE	118.00	118.00	0.00	0.00	118.00	SINGLE PUR NAV	2990
27	CHICAGO RVR IL	NCC	610.00	610.00	0.00	0.00	610.00	SINGLE PUR NAV	3810
27	FRANFORT HBR MI	NCE	372.00	372.00	0.00	0.00	372.00	SINGLE PUR NAV	6130
27	GD HAVEN HBR MI	NCE	739.00	739.00	0.00	0.00	739.00	SINGLE PUR NAV	0299
27	GRAND HAVEN HBR MIT SHR DM	NCE	78.00	78.00	0.00	0.00	78.00	SINGLE PUR NAV	6671
27	GREEN BAY HBR MI	NCE	1029.00	1029.00	0.00	0.00	1029.00	SINGLE PUR NAV	6910
27	HOLLAND HARBOR MI	NCE	358.00	358.00	0.00	0.00	358.00	SINGLE PUR NAV	7610

TABLE 1D

S NO	G PROJECT NAME	VIO TSIO	NA TOTAL AL	NAVIGATION ALLOC/SPEC A	OTHER ALLOC/SPEC	JOINT	HECOVERY AMOUNT	PROJECT	CWIS
27	HOLLAND HBR MIT SHR DAM MI	NCE	59.00	59.00	0.00	0.00	59.00	SINGLE PUR NAV	7611
27	KENOSHA HARBOR WI	NCE	130.00	130.00	0.00	0.00	130.00	SINGLE PUR NAV	8910
27	LUDINGTON HARBOR MI	NCE	495.00	495.00	0.00	00.0	495.00	SINGLE PUR NAV	10270
27	MANISTEE HARBOR MI	NCE	440.00	440.00	0.00	0.00	440.00	SINGLE PUR NAV	10480
27	MANITOWOC HBR WI	NCE	257.00	257.00	0.00	0.00	257.00	SINGLE PUR NAV	10510
27	MICHIGAN CTY HBR IN	SC	540.00	540.00	0.00	0.00	540.00	SINGLE PUR NAV	11060
27	MILWAUKEE HBR WI	NCE	3123.00	3123.00	0.00	0.00	3123.00	SINGLE PUR NAV	11270
27	MUSKEGON HBR MO	NCE	694.00	694.00	0.00	0.00	694.00	SINGLE PUR NAV	12060
27	MUSKEGON HARBOR MITIGATION	NCE	111.00	111.00	0.00	0.00	111.00	SINGLE PUR NAV	12061
% 10	PENTWATER HBR MI	NCE	799.00	799.00	0.00	0.00	799.00	SINGLE PUR NAV	13850
9	ST JOSEPH HBR MI	NCE	495.00	495.00	0.00	0.00	495.00	SINGLE PUR NAV	17350
27	ST. JOSEPH HBR MIT SHR DAM	NCE	585.00	585.00	0.00	0.00	585.00	SINGLE PUR NAV	17351
27	STURGEON B&L MICH CAN, WI	NCE	2831.00	2831.00	0.00	0.00	2831.00	SINGLE PUR NAV	17660
27	INDIANA HBR IN	NCC	320.00	320.00	0.00	0.00	320.00	SINGLE PUR NAV	18120
27	TWO RVRS HBR WI	NCE	760.00	760.00	0.00	0.00	760.00	SINGLE PUR NAV	18710
27	WAUKEGAN HBR IL	NCC	970.00	970.00	0.00	0.00	970.00	SINGLE PUR NAV	19560
27	WHITE LAKE HBR MI	NCE	434.00	434.00	0.00	0.00	434.00	SINGLE PUR NAV	19810
27	CHICAGO HBR IL	NCC	2545.00	2545.00	0.00	0.00	2545.00	SINGLE PUR NAV	45009
27	MENOHINEE HBR MI	NCE	32.00	32.00	0.00	0.00	32.00	SINGLE PUR NAV	15044
27	SHEBUYGAN HBR WI	NCE	883.00	883.00	0.00	0.00	883.00	SINGLE PUR NAV	00/99
27	KEWAUNEE HARBOR WI	NCE	300.00	300.00	0.00	0.00	300.00	SINGLE PUR NAV	76050
27			22252.00	22252.00	0.00	000	22252.00		
58	DULUTH-SUPERIOR MN	NCE	3396.00	2971.00	425.00	0.00	2971.00	SINGLE PUR NAV	5050
28	KENEENAW WW MI	NCE	1641.00	1641.00	0.00	0.00	1641.00	SINGLE PUR NAV	8960
28	ONTONAGON HBR MI	NCE	455.00	455.00	0.00	0.00	455.00	SINGLE PUR NAV	13330
78	GRAND MARAIS HBR MI	NCE	218.00	218.00	0.00	0.00	218.00	SINGLE PUR NAV	46064
8			5710.00	5285.00	425.00	0000	5285,00		
23	BALTIMORE HBR DRIFT REMOVL	NAB	455.00	455.00	0.00	0.00	455.00	SINGLE PUR NAV	871
29	BALTIMORE HBR PREV OF OBST	NAB	520.00	520.00	0.00	0.00	520.00	SINGLE PUR NAV	872

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SEG		MO	2	NAVIGATION	OTHER	TNIOL	VECOVERY	PEOLEC	SIMO
9	PROJECT NAME	DIST	TOTAL A	ALLOC/SPEC A	ALLOC/SPEC	USE	AMOUNT	TYPE	CN
29	HAMPTON ROADS DRIFT REMOVL	NÃÕ	647.00	647.00	0.00	0.00	647.00	SINGLE PUR NAV	1002
8	BAY RDGE RED HOOK OH NY	NAN	230.00	230.00	0.00	0.00	230.00	SINGLE PUR NAV	1040
29	CAPE COD CNL MA	MED	7399.00	7399.00	688.00	0.00	7399.00	SINGLE PUR NAV	2620
23	DEL RVR BETWN PHILA TREN	NAP	1255.00	1255.00	0.00	0.00	1255.00	SINGLE PUR NAV	4550
83	DEL RVR PA NW PHILA TO S	NAP	18157.00	18157.00	0.00	0.00	18157.00	SINGLE PUR NAV	4570
23	HUDSON R. CHANNEL, NY	NAN	1380.00	1380.00	0.00	0.00	1380.00	SINGLE PUR NAV	7800
82	HUDSON R NY TO ALB (MNI)	NAN	1375.00	1375.00	0.00	0.00	1375.00	SINGLE PUR NAV	7810
ଷ୍ଟ	HUDSON R NY TO ALB (0&C)	NAN	1145.00	1145.00	0.00	0.00	1145.00	SINGLE PUR NAV	7820
ଷ (IWW FM DFL R TO CHPKE B D	NAP	16090.00	16090.00	0.00	0.00	16090.00	SINGLE PUR NAV	8160
ន 11	C&D CAN, ST GEORGES BR DE	NAP	14000.00	14000.00	0.00	0.00	14000.00	SINGLE PUR NAV	8215
8 3	JAMES RVR VA	NAO	1616.00	1616.00	0.00	0.00	1616.00	SINGLE PUR NAV	8430
23	NEW YORK HARBOR NY	NAN	6020.00	6020.00	0.00	0.00	6020.00	SINGLE PUR NAV	12490
ଷ	NEW YORK HBR DRIFT, NY	NAN	4886.00	4886.00	0.00	0.00	4886.00	SINGLE PUR NAV	12500
ଷ	NY NJ CMS NY NJ	NAN	205.00	205.00	0.00	0.00	205.00	SINGLE PUR NAV	12520
82	NORFOLK HBR CHS VA	NAO	5131.00	5131.00	0.00	0.00	5131.00	SINGLE PUR NAV	12801
ଷ	POTOMAC R. DRIFT REMOVL VA	NAB	785.00	785.00	0.00	0.00	785.00	SINGLE PUR NAV	14520
දි	HAMPTON ROADS PRE OF OBST	NAO	200.00	200.00	0.00	0.00	200.00	SINGLE PUR NAV	15170
83	SCHULYKILL R PA	NAP	1930.00	1930.00	0.00	0.00	1930.00	SINGLE PUR NAV	16550
8	NY HARBOR PREV OF OBSTRUCTION	NAN	740.00	740.00	0.00	0.00	740.00	SINGLE PUR NAV	17760
53	WASHINGTON HBR DC	NAB	35.00	35.00	0.00	0.00	35.00	SINGLE PUR NAV	19500
ត្ត ន	WILMINGTON HBR DEL	NAP	2513.00	2513.00	0.00	0.00	2513.00	SINGLE PUR NAV	20040
R)	COLD SPRING INLET	NAP	485.00	485.00	0.00	0.00	485.00	SINGLE PUR NAV	22140
53	BUTTERMILK CH NY	NAN	820.00	820.00	0.00	0.00	820.00	SINGLE PUR NAV	41015
53	EAST RIVER NY	NAN	195.00	195.00	0.00	0.00	195.00	SINGLE PUR NAV	41062
23	DEL RIV PHIL TO CAMDEN NJ	NAP	820.00	850.00	0.00	0.00	850.00	SINGLE PUR NAV	43005
53	JAMAICA BAY NY	NAN	220.00	220.00	0.00	0.00	220.00	SINGLE PUR NAV	54000
83	CH TO NEW PORT NEWS VA	NAO	290.00	290.00	00.0	0.00	290.00	SINGLE PUR NAV	73783
53	THIMBLE SHOAL CH VA	NAO	1355.00	1355.00	0.00	0.00	1355.00	SINGLE PUR NAV	73800
£ 1	BALTIMORE HBR & SOFT CHANN	NAB	13425.00	13425.00	0.00	0.00	13425.00	SINGLE PUR NAV	74955
R			104654.00	104654.00	688.00	000	104654,00		

TABLE 1D

SS	G PROJECT NAME	DIV/ DIST	NA TOTAL ALI	NAVIGATION ALLOC/SPEC A	OTHER ALLOC/SPEC	JOINT	RECOVERY AMOUNT	PROJECT TYPE	CWIS
30	BEAUFORT HBR NC	SAW	350.00	350.00	0.00	0.00	350.00	SINGLE PUR NAV	1210
9	BRUNSWICK HBR	SAS	3411.00	3411.00	0.00	0.00	3411.00	SINGLE PUR NAV	2080
30	CANAVERAL HARBOR FL	SAJ	4736.00	4736.00	0.00	00.0	4736.00	SINGLE PUR NAV	2520
8	CAPE FEAR R ABOVE WILM NC	SAW	1200.00	986.00	214.00	00'0	986.00	SINGLE PUR NAV	2640
္က	CHARLESTON HARBOR SC	SAC	5426.00	5426.00	0.00	00.0	5426.00	SINGLE PUR NAV	2980
8	FERNANDINA HARBOR FLA	SAJ	1623.00	1623.00	0.00	00.0	1623.00	SINGLE PUR NAV	5840
30	FORT PIERCE HARBOR FL	SAJ	712.00	712.00	0.00	00.0	712.00	SINGLE PUR NAV	6260
30	GEORGETOWN HARBOR SC	SAC	3509.00	3509.00	0.00	00.0	3509.00	SINGLE PUR NAV	6480
30	JACKSONVILLE HARBOR FL	SAJ	4119.00	4119.00	0.00	0.00	4119.00	SINGLE PUR NAV	8410
ສ 11	MOREHD CTY HBR NC	SAW	3108.00	3108.00	0.00	00.0	3108.00	SINGLE PUR NAV	11810
ຂ .1	PALM BEACH HBR FL	SAJ	1459.00	1459.00	0.00	0.00	1459.00	SINGLE PUR NAV	13590
9	PORT ROYAL HARBOR SC	SAC	1192.00	1192.00	0.00	00.0	1192.00	SINGLE PUR NAV	14380
30	SHIPYARD RVR SC	SAC	428.00	428.00	0.00	00.0	428.00	SINGLE PUR NAV	16730
30	WILMINGTON BW NC	SAW	6048.00	6048.00	0.00	00.0	6048.00	SINGLE PUR NAV	20030
30	COOPER R SC	SAC	2469.00	2453.00	16.00	0.00	2453.00	SINGLE PUR NAV	74354
30	MIAMI HBR FL	SAJ	295.00	295.00	0.00	00.0	295.00	SINGLE PUR NAV	74378
30	SAVANNAH HBR	SAS	8377.00	8377.00	0.00	00.0	8377.00	SINGLE PUR NAV	75085
8			48462.00	48462.00	230.00	000	48232.00		
8	EVERETT HBR SNOHOMISH RV	SdN	870.00	870.00	000	8	870.00	SINGLE DIER NAV	6700
3	LK WASHINTON SHP CNL WA	NPS	6877.00	6421.00	456.00	0.00	6421.00	SINGLE PUR NAV	9400
સ	OLYMPIA HBR WA	NPS	12.00	12.00	0.00	0.00	12.00	SINGLE PUR NAV	13320
31	PUGET SOUND ITS TRIB WW	NPS	1155.00	1155.00	0.00	0.00	1155.00	SINGLE PUR NAV	13970
ਲ	SEATTLE HBR WA	NPS	678.00	678.00	0.00	0.00	678.00	SINGLE PUR NAV	67318
ਲ	KENMORE NAVIGATION CH	NPS	202.00	202.00	0.00	0.00	202.00	SINGLE PUR NAV	87153
ĸ			9794.00	9338.00	456.00	0.00	9338,00		
32	COLUMBIA R AT MOTH OR WA	ddN	8013.00	8013.00	000	9	8013.00	SING! F PIR NAV	3600
5		OGN	420.00	00.004	9 6	9 6	400.00	ACM HOLITANIO	9000
3 8		A G	420.00	420.00	0.00	0.00	420.00	SINGLE PUR NAV	3620
3 8		1	01.7.00	00.71011	0.00	0.00	00./1011	SINGLE PUR NAV	3630
35	SKIPANON CHANNEL OF	ddN	61.00	61.00	0.00	0.00	61.00	SINGLE PUR NAV	16930

TABLE 1D

SEG		DIV/ DIST			OTHER ALLOC/SPEC	ř	RECOVERY AMOUNT	PROJECT TYPE	CWIS
35	BONNEVILLE LOCK DAM OR WA	dgN	18788.00	74852.00	13936.00	0.00	4852.00	MULTIW ALLOC	80546
8			38299.00	24363.00	13936.00	0.00	24363,00		
33	COOS BAY OR	MPP	4349.00	4349.00	0.00	0.00	4349.00	SINGLE PUR NAV	3840
33	GRAYS HBR BAY CA	NPS	10655.00	10655.00	0.00	0.00	10655.00	SINGLE PUR NAV	6770
33	HUMBOLDT HDR BAY CA	SPN	4670.00	4670.00	0.00	0.00	4670.00	SINGLE PUR NAV	7860
33	MORRO BAY HBR CA	SPL	2580.00	2580.00	0.00	0.00	2580.00	SINGLE PUR NAV	11860
33	MOSS LANDING HBR CA	SPN	845.00	845.00	00'0	0.00	845.00	SINGLE PUR NAV	11880
33	OCEANSIDE HBR CA	SPL	1045.00	1045.00	0.00	0.00	1045.00	SINGLE PUR NAV	13080
ສ 11	CH IS HBR CA	SPL	890.00	890.00	0.00	0.00	890.00	SINGLE PUR NAV	14360
8	PORT ORFORD OR	NPP	425.00	425.00	0.00	0.00	425.00	SINGLE PUR NAV	14370
33	SANTA BARBARA HBR CA	SPL	1038.00	1038.00	0.00	0.00	1038.00	SINGLE PUR NAV	15730
33	SAN DIEGO HBR CA	SPL	1085.00	1085.00	0.00	0.00	1085.00	SINGLE PUR NAV	16110
33	SIUSLAW RIVER OR	MPP	864.00	864.00	0.00	0.00	864.00	SINGLE PUR NAV	16860
33	TILLAMOOK BAY BAR OR	MPP	43.00	43.00	0.00	0.00	43.00	SINGLE PUR NAV	18230
33	UMPQUA RIVER OR	MPP	1094.00	1094.00	0.00	0.00	1094.00	SINGLE PUR NAV	18750
33	WILLAPA HBR	SAN	431.00	431.00	0.00	0.00	431.00	SINGLE PUR NAV	19990
33	YAQUINA BAY HBR OR	NPP	1565.00	1565.00	0.00	0.00	1565.00	SINGLE PUR NAV	20290
33	VENTURA HBR CA	SPL	2288.00	2288.00	0.00	0.00	2288.00	SINGLE PUR NAV	24190
33	PT HUENEME CA	SPL	135.00	135.00	0.00	0.00	135.00	SINGLE PUR NAV	74656
33	LA-LB HARBOR MODEL, CA	SPL	160.00	160.00	00.0	0.00	160.00	SINGLE PUR NAV	76101
g			34162.00	34162.00	0.00	0.00	34162.00		
34	OAKLAND HBR CA	SPN	2205.00	2205.00	0.00	0.00	2205.00	SINGLE PUR NAV	12990
34	REDWOOD CITY HBR CA	SPN	2600.00	2600.00	0.00	0.00	2600.00	SINGLE PUR NAV	15100
34	RICHMOND HBR CA	SPN	6481.00	6481.00	0.00	0.00	6481.00	SINGLE PUR NAV	15280
34	SACRAMENTO RVR CA	SPK	457.00	457.00	0.00	0.00	457.00	SINGLE PUR NAV	15870
34	SAN FRANCISCO HBR CA	SPN	1825.00	1825.00	0.00	0.00	1825.00	SINGLE PUR NAV	16130
34	SAN FRANCISCO HBR DRFT REM	SPN	2195.00	2195.00	0.00	0.00	2195.00	SINGLE PUR NAV	16140
34	SAN JOAQUIN RVR CA	SPK	1659.00	1659.00	0.00	0.00	1659.00	SINGLE PUR NAV	16180
34	S PAULO BAY MRE IS STR CA	SPN	1080.00	1080.00	0.00	0.00	1080.00	SINGLE PUR NAV	16230

NAVIGATION COST RECOVERY ANALYSIS BY SEGMENT OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000) FY 1996 (EST. PRES) **DEEP DRAFT NAVIGATION PROJECTS** TABLE 1D

34 SFRANCISCO BAYDET MIDL CA SPK 2000.00 990.00 6.00 6.90.00 590.00 590.00 590.00 590.00 590.00 590.00 590.00 590.00 590.00 590.00 590.00 590.00 590.00 50.00	SEG	PROJECT NAME	DIV/ DIST T	NAVI TOTAL ALLC	NAVIGATION ALLOC/SPEC A	NAVIGATION OTHER ALLOC/SPEC ALLOC/SPEC	JOHNT	RECOVERY AMOUNT	PROJECT TYPE	CWIS
ANCHORAGE HBR AK ANCHORAGE HBR AK ANCHORAGE HBR AK HOMER HBR AK HOMER HBR AK THOMAS BASIN (KETCHIKAN) BARBERS POINT HBR, HI SAN JUAN HBR PR SAN JUAN HBR PR TOTAL ANCHORAGE HBR AK ANCHORAGE HBR AK ANCHORAGE HBR AK NPA 1380.00 1380.0	34		SPN	2000.00	990.00	1010.00	0.00	990.00	SINGLE PUR NAV	76029
ANCHORAGE HBR AK HOMER HBR AK NPA NPA 1380,000 265,00 1380,000 0.00 0.00 0.00 1380,000 265,00 265,00 <th>3 3</th> <th></th> <th>orn</th> <th>21317.00</th> <th>20347.00</th> <th>1010.00</th> <th>0.00</th> <th>20307.00</th> <th>SINGLE FUR INAV</th> <th>07600</th>	3 3		orn	21317.00	20347.00	1010.00	0.00	20307.00	SINGLE FUR INAV	07600
HOMER HBR AK NPA 265.00 265.00 0.00 0.00 265.00 THOMAS BASIN (KETCHIKAN) NPA 564.00 564.00 0.00 0.00 0.00 564.00 BARBERS POINT HBR, HI POD 143.00 0.00 143.00 0.00 564.00 5	36	ANCHORAGE HBR AK	NPA	1380.00	1380.00	0.00	0.00	1380.00	SINGLE PUR NAV	360
THOMAS BASIN (KETCHIKAN) NPA 564.00 564.00 0.00 0.00 0.00 564.00 564.00 564.00 564.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 10.0	98	HOMER HBR AK	NPA	265.00	265.00	0.00	0.00	265.00	SINGLE PUR NAV	80208
THOMAS BASIN (KETCHIKAN) NPA 564.00 564.00 0.00 0.00 564.00	38			1645.00	1645.00	000	0.00	1645.00		
BARBERS POINT HBR, HI POD 143.00 0.00 143.00 0.00 143.00 0.00 564.00 5	37	THOMAS BASIN (KETCHIKAN)	NPA	564.00	564.00	0.00	0.00	564.00	SINGLE PUR NAV	631
BARBERS POINT HBR, HI POD 143.00 0.00 143.00 0.00 0.00 0.00 SAN JUAN HBR PR SAJ 10.00 10.00 0.00 0.00 10.00 TOTAL 486038.00 463363.00 19375.00 3300.00 463693.00	37			554.00	564.00	0.00	0.00	564.00		
SAJ 10.00 0.00 0.00 0.00 0.00 0.00 1	38	BARBERS POINT HBR, HI	Pod	143.00	0000	143.00	0.00	0.00	SINGLE PUR NAV	910
SAN JUAN HBR PR SAJ 10.00 10.00 0.00 0.00 10.00 10.00 10.00 0.00 10.00 <t< th=""><th>8</th><th></th><th></th><th>143.00</th><th>000</th><th>143.00</th><th>0.00</th><th>00'0</th><th></th><th></th></t<>	8			143.00	000	143.00	0.00	00'0		
10.60 0.00 0.00 TOTAL 486038.00 463363.00 19375.00 3300.00	33		SAJ	10.00	10.00	0.00	0.00	10.00	SINGLE PUR NAV	16190
486038.00 463363.00 19375.00 3300.00	2			10,00	10.00	0.00	0.00	10.00		
		TotAL		486038.00	463363.00	19375.00	3300.00	463693.00		



APPENDIX G - Shallow Draft Navigation Projects Not Subject to the InlandWaterway Fuel Tax, Navigation Cost Recovery Analysis by Segment,

O&M Expenditures for FY 1996
(Estimated - President's Budget).

SHALLOW DRAFT NAVIGATION PROJECTS NOT SUBJECT TO THE INLAND WATERWAY FUEL TAX- NAVIGATION COST RECOVERY ANALYSIS BY SEGMENT **OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000)** FY 1996 (EST. PRES) **TABLE 21S**

SEG	PROJECT NAME	DIV/	NA TOTAL AL	NAVIGATION OTHER JOINT ALLOC/SPECALLOC/SPEC USE	OTHER U	OINT F	JOINT RECOVERY PROJECT USE AMOUNT TYPE	CWIS
_	MINNESOTA RIVER MN	NCS	145.00	145.00	00:00	0.00	145.00 SINGLE PUR NAV	4V 11310
-	RHODE ISLAND SM BOAT HARBOR	NCR	123.00	123.00	00:00	0.00	123.00 SINGLE PUR NAV	VV 88825
-			268.00	268.00	000	0.00	268.00	
8	SOUTHEAST MO PORT, NS R, MO	LMS	150.00	150.00	0.00	0.00	150.00 SINGLE PUR NAV	4V 87404
2			150.00	150.00	00'0	0.00	150.00	
က	MOUTH OF YAZOO RIVER, MS	LMK	113.00	113.00	0.00	0.00	113.00 SINGLE PUR NAV	۸۷ 493
ဗ	HELENA HBR AR	LMM	500.00	500.00	0.00	0.00	500.00 SINGLE PUR NAV	۸۷ 7440
က	LAKE PROVIDENCE HBR LA	LMK	292.00	292.00	0.00	0.00	292.00 SINGLE PUR NAV	٩٧ 9360
က	OSCEOLA HBR OR	LMM	453.00	453.00	0.00	0.00	453.00 SINGLE PUR NAV	٩٧ 13430
က	WOLF RVR HBR TN	LMM	650.00	650.00	0.00	0.00	650.00 SINGLE PUR NAV	4V 20150
က	YAZOO RIVER MO	LMK	3.00	3.00	0.00	0.00	3.00 SINGLE PUR NAV	4V 20350
က	STAHR HBR, HICKMAN PORT	LMM	400.00	400.00	0.00	0.00	400.00 SINGLE PUR NAV	4V 22020
က	NEW MADRID HBR MO	LMM	300.00	300.00	0.00	0.00	300.00 SINGLE PUR NAV	4V 33012
က	ROSEDALE HBR MS	LMK	410.00	410.00	0.00	0.00	410.00 SINGLE PUR NAV	4V 87012
က	CARUTHERSVILLE HBR MO	LMM	300.00	300.00	0.00	0.00	300.00 SINGLE PUR NAV	4V 87092
က	MADISON PARISH PORT	LMK	37.00	37.00	0.00	0.00	37.00 SINGLE PUR NAV	4V 87168
က	CLAIBORNE CO PORT MS	LMK	153.00	153.00	0.00	0.00	153.00 SINGLE PUR NAV	
က	YELLOW BEND PORT, AR	LMK	142.00	142.00	00.00	0.00	142.00 SINGLE PUR NAV	4V 87282
က	MR&T-MCKELLER LI HBR	LMV	1415.00	1415.00	0.00	0.00	1415.00 SINGLE PUR NAV	4V 99981
හ	MR&T-GREENVILLE HBR	LMV	258.00	258.00	0.00	0.00	258.00 SINGLE PUR NAV	4V 99982
က	MR&T-VICKSBURG HBR	LMV	223.00	223.00	00.00	0.00	223.00 SINGLE PUR NAV	4V 99983
က	MR&T BATON ROUGE HBR	LMV	150.00	150.00	00.00	0.00	150.00 SINGLE PUR NAV	4V 99984
က			6799.00	5799.00	00'0	00.00	5799.00	
4	MISS R QUILTS VENICE LA	LMN	1645.00	1645.00	0.00	0.00	1645.00 SINGLE PUR NAV	4V 63
4	BARATARIA BAY WH LA	ZWZ	921.00	921.00	00.00	0.00	921.00 SINGLE PUR NAV	۹۷ 900
4	BAYOU TECH LA	LMN	727.00	727.00	0.00	00.0	727.00 SINGLE PUR NAV	_
4	BENBROOK LAKE TX	SWF	1610.00	318.00	1292.00	0.00	318.00 MULTI W ALLOC	
4	BYU LAFOURGHE&LAFOURGH JUM	LWN	10.00	10.00	0.00	0.00	10.00 SINGLE PUR NAV	AV 2310

SHALLOW DRAFT NAVIGATION PROJECTS NOT SUBJECT TO THE INLAND WATERWAY FUEL TAX- NAVIGATION COST RECOVERY ANALYSIS BY SEGMENT OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000) FY 1996 (EST. PRES) **TABLE 21S**

SEG		/AIG	N	NAVIGATION	OZHIO	TINIO	IOINT BECAVEBY BBO IECT	Simo
0	PROJECT NAME	DIST	TOTAL AL	ALLOC/SPECALLOC/SPEC	LOC/SPEC	USE		
4	FRESHWATER BAYOU LA	ĹŇŇ	1659.00	1659.00	0.00	0.00	O SING	6200
4	GRAPEVINE LAKE TX	SWF	1956.00	41.00	1915.00	0.00	41.00 MULTI W ALLOC	6760
4	TRINITY RIVER, TX	SWG	1270.00	1270.00	0.00	0.00	1270.00 SINGLE PUR NAV	18510
4			9798.00	6591,00	0.00	00.00	6591.00	
ĸ	APAI ACHICOI A BAV II	CAM	107 00	101	0	0		
) L		יייייייייייייייייייייייייייייייייייייי	00.701	00.70	0.00	0.00	187.00 SINGLE PUR NAV	430
ر د	JOHNS PASS, PINELLAS, FL	SA	400.00	400.00	0.00	0.00	400.00 SINGLE PUR NAV	1001
ទ ៖	BAYOU LABAIRE AL	SAM	455.00	455.00	0.00	0.00	455.00 SINGLE PUR NAV	1120
2		SAM	461.00	461.00	0.00	0.00	461.00 SINGLE PUR NAV	1520
S	IWW CLCHEE R TO ANLTE R F	SAJ	221.00	221.00	00.00	0.00	221.00 SINGLE PUR NAV	2480
വ	DAUPHIN ISLE BAY AL	SAM	252.00	252.00	0.00	00.00	252.00 SINGLE PUR NAV	4480
വ	EAST PASS CHANNEL FL	SAM	886.00	886.00	0.00	00.0	886.00 SINGLE PUR NAV	4980
2	FLY CREEK AL	SAM	249.00	249.00	0.00	0.00	249.00 SINGLE PUR NAV	5970
S)	OKEECHOGEE WWY, FL	SAJ	3933.00	3326.00	607.00	0.00	3326.00 SINGLE PUR NAV	13240
ည	PERDIDO PASS CH AL	SAM	350.00	350.00	0.00	0.00	350.00 SINGLE PUR NAV	13880
D.	TANGIPOHODA RV LA	LW	100.00	100.00	00:00	0.00	100.00 SINGLE PUR NAV	17970
ນ	DOG AND FOWL RIVERS, AL	SAM	505.00	505.00	0.00	0.00	505.00 SINGLE PUR NAV	20710
2	WITHLACOOCHIE RIVER	SAJ	34.00	34.00	00.0	0.00	34.00 SINGLE PUR NAV	74393
D.	NEW PASS SARASOTA FL	SAJ	1086.00	1086.00	0.00	0.00	1086.00 SINGLE PUR NAV	74483
Ŋ	BAYOU CODEN AL	SAM	231.00	231.00	0.00	0.00	231.00 SINGLE PUR NAV	74520
2	BON SECOUR RVR AL	SAM	551.00	551.00	0.00	0.00	551.00 SINGLE PUR NAV	26060
വ			9901.00	9901.00	0.00	000	9234.00	
13	LICKING RIVER OPEN CHANNEL	ORL	30.00	30.00	0.00	0.00	30.00 SINGLE PUR NAV	10229
13	PORTSMOUTH HARBOR	ORH	75.00	75.00	0.00	0.00	75.00 SINGLE PUR NAV	10221
13	BIG SANDY HARBOR	ORH	1035.00	1035.00	00.00	0.00	1035.00 SINGLE PUR NAV	10222
13	ELK RIVER HARBOR	ORH	3.00	3.00	0.00	0.00	3.00 SINGLE PUR NAV	88833
Ç			1143.00	1143.00	0.00	00.0	1143.00	
21	ANDALUSIA HBR, IL	NCR	71.00	71.00	0.00	0.00	71.00 SINGLE PUR NAV	74228
ಸ			71.00	71,00	000	0.00	71.00	

SHALLOW DRAFT NAVIGATION PROJECTS NOT SUBJECT TO THE INLAND WATERWAY FUEL TAX- NAVIGATION COST RECOVERY ANALYSIS BY SEGMENT **OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000)** FY 1996 (EST. PRES) **TABLE 21S**

S S S	PROJECT NAME	NIQ DIST	NA' TOTAL ALL	NAVIGATION OTHER JOINT ALLOC/SPECALLOC/SPEC USE	OTHER J	OINT R USE ,	JOINT RECOVERY PROJECT C USE AMOUNT TYPE	CWIS
		:				:		
24	IRONDEQUOIT BAY, NY	NCB	160.00	160.00	00.00	0.00	160.00 SINGLE PUR NAV	8220
24	OAK ORCHARD HBR NY	NCB	10.00	10.00	0.00	0.00	10.00 SINGLE PUR NAV	12980
24	OLCOTT HBR NY	NCB	10.00	10.00	0.00	0.00	10.00 SINGLE PUR NAV	44066
24	WILSON HBR NY	NCB	10.00	10.00	00.00	0.00	10.00 SINGLE PUR NAV	73938
24			190.00	190.00	0.00	000	190.00	
25	VERMILLION HBR OH	NCB	10.00	10.00	0.00	0.00	10.00 SINGLE PUR NAV	44003
25	ROCKY R HBR OH	NCB	12.00	12.00	0.00	0.00	12.00 SINGLE PUR NAV	44072
52	BOLLES HARBOR MI	NCE	29.00	29.00	00:00	0.00	29.00 SINGLE PUR NAV	87750
K			51.00	51.00	900	0.00	51.00	
56	PT LOOKOUT HBR MI	NCE	301.00	301.00	0.00	0.00	301.00 SINGLE PUR NAV	14220
26	PORT SANILAC HBR MIT SHR D	NCE	75.00	75.00	0.00	0.00	75.00 SINGLE PUR NAV	14410
56	PORT SANILAC HBR MI	NCE	185.00	185.00	0.00	0.00	185.00 SINGLE PUR NAV	46039
56	INLAND ROUTE MICHIGAN	NCE	31.00	31.00	0.00	0.00	31.00 SINGLE PUR NAV	48140
26	LEXINGTON HBR MIT SHR DAM	NCE	77.00	77.00	00.00	0.00	77.00 SINGLE PUR NAV	73909
56	LEXINGTON HARBOR MI	NCE	147.00	147.00	0.00	0.00	147.00 SINGLE PUR NAV	74006
56	PT AUSTIN HBR MI	NCE	188.00	188.00	00:00	0.00	188.00 SINGLE PUR NAV	74213
56			1004.00	1004.00	00°0	000	1004.00	
27	FOX RIVER WI	NCE	2215.00	2215.00	0.00	0.00	2215.00 SINGLE PUR NAV	6610
27	GRAND TRAVERSE HBR	NCE	123.00	123.00	0.00	0.00	123.00 SINGLE PUR NAV	6730
27	LAKE MICHIGAN DIVERSI	SCC	645.00	645.00	0.00	0.00	645.00 SINGLE PUR NAV	8218
27	SAUGATUCK HBR MI	NCE	918.00	918.00	0.00	0.00	918.00 SINGLE PUR NAV	16390
27	PORTAGE LAKE HBR MI	NCE	103.00	103.00	0.00	0.00	103.00 SINGLE PUR NAV	21530
27	LELAND HBR MI	NCE	280.00	280.00	0.00	0.00	280.00 SINGLE PUR NAV	46018
27	ARCADIA HBR MI	NCE	77.00	77.00	0.00	0.00	77.00 SINGLE PUR NAV	46063
27	GREILICKVILLE HARBOR, MI	NCE	63.00	63.00	0.00	0.00	63.00 SINGLE PUR NAV	46103
27	ALGOMA HARBOR WI	NCE	117.00	117.00	0.00	0.00	117.00 SINGLE PUR NAV	74177
27	BURNS WATER WAY SBH	NNCC	95.00	95.00	0.00	0.00	95.00 SINGLE PUR NAV	87387

SHALLOW DRAFT NAVIGATION PROJECTS NOT SUBJECT TO THE INLAND WATERWAY FUEL TAX- NAVIGATION COST RECOVERY ANALYSIS BY SEGMENT **OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000)** FY 1996 (EST. PRES) **TABLE 21S**

SEG	PROJECT NAME	VIO TSIO	TOTAL	NAVIGATION OTHER JOINT ALLOC/SPECALLOC/SPEC USE	OTHER	JOINT	JOINT RECOVERY PROJECT USE AMOUNT TYPE	CWIS
22			4636.00	4636.00	0.00	0.00	9	
28	CORNUCUPIA HBR WI	NCE	107.00	107.00	0.00	0.00	107.00 SINGLE PUR NAV	3970
88	EAGLE HBR MI	NCE	00.09	00.09	00.00	0.00	60.00 SINGLE PUR NAV	22870
58			167.00	167.00	900	0.00	167.00	
59	TOWN CK SC	SAC	491.00	491.00	0.00	0.00	491.00 SINGLE PUR NAV	-
59	CRIEHAVEN HBR ME	NED	293.00	293.00	0.00	0.00	293.00 SINGLE PUR NAV	339
53	WELLFLEET HBR MA	NED	1214.00	1214.00	0.00	0.00	1214.00 SINGLE PUR NAV	452
59	CHANES CREEK VA	NAO	321.00	321.00	0.00	0.00	321.00 SINGLE PUR NAV	585
53	QUEENS CREEK VA	NAO	337.00	337.00	0.00	0.00	337.00 SINGLE PUR NAV	795
53	BARNEGAT INLET NY	NAP	1455.00	1455.00	0.00	0.00	1455.00 SINGLE PUR NAV	950
59	E ROCKAWAY INLET NY	NAN	930.00	930.00	0.00	0.00	930.00 SINGLE PUR NAV	5220
53	CHINCOTEAGUE HBR REFG VA	NAO	36.00	36.00	0.00	0.00	36.00 SINGLE PUR NAV	5841
53	FIRE INLT TO JONES NY	NAN	1668.00	1668.00	0.00	0.00	1668.00 MULTI WO ALLOC	5880
59	GREEN HBR	NED	364.00	364.00	0.00	0.00	364.00 SINGLE PUR NAV	6920
53	WW LN	NAP	3729.00	3729.00	0.00	0.00	3729.00 SINGLE PUR NAV	8190
53	SESUIT HBR	NED	217.00	217.00	0.00	0.00	217.00 SINGLE PUR NAV	8193
59	LAKE MONTAUK HBR NY	NAN	1930.00	1930.00	0.00	0.00	1930.00 SINGLE PUR NAV	9340
59	CHINCOTEAGUE BAY VA	NAO	42.00	42.00	0.00	0.00	42.00 SINGLE PUR NAV	10890
59		NAP	40.00	40.00	0.00	0.00	40.00 SINGLE PUR NAV	12020
53	NRWS LKE CHAMPLAIN NY VT	NAN	645.00	645.00	0.00	0.00	645.00 SINGLE PUR NAV	12200
59	WW COAST OF VA	NAO	1268.00	1268.00	0.00	0.00	1268.00 SINGLE PUR NAV	19550
53	HOSKINS CREEK, VA	NAB	395.00	395.00	0.00	0.00	395.00 SINGLE PUR NAV	20920
59	SALEM RIVER NJ	NAP	410.00	410.00	0.00	0.00	410.00 SINGLE PUR NAV	24950
59	TANGIER CHANNEL VA	NAO	467.00	467.00	00.00	0.00	467.00 SINGLE PUR NAV	27650
59	NEWBURYPORT HBR MA	NED	646.00	646.00	0.00	0.00	646.00 SINGLE PUR NAV	39018
59	JONES INLT NY	NAN	3880.00	3880.00	0.00	0.00	3880.00 SINGLE PUR NAV	41006
53	SHARK RVR NJ	NAN	1190.00	1190.00	0.00	0.00	1190.00 SINGLE PUR NAV	41007
59	BROWN CK NY	NAN	500.00	200.00	0.00	0.00	500.00 SINGLE PUR NAV	41022
29	MATTITUCK HBR NY	NAN	570.00	570.00	0.00	0.00	570.00 SINGLE PUR NAV	41082

SHALLOW DRAFT NAVIGATION PROJECTS NOT SUBJECT TO THE INLAND WATERWAY FUEL TAX- NAVIGATION COST RECOVERY ANALYSIS BY SEGMENT **OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000)** FY 1996 (EST. PRES) **TABLE 21S**

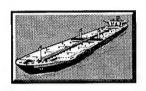
SEG	MIG	ŠN	NAVIGATION C	OTHER J	OINT RE	JOINT RECOVERY PROJECT	CWIS
NO PROJECT NAM	AE .	TOTAL AL	ALLOC/SPECALLOC/SPEC USE	OC/SPEC		AMOUNT TYPE	ON
29 STARLINGS CREEK VA	NĀŌ	389.00	389.00	0.00	0.00	389.00 SINGLE PUR NAV	42001
	NAB	65.00	65.00	0.00	0.00	65.00 SINGLE PUR NAV	51950
29 HERRING CK TALL TIMBERS MD	ERS MD NAB	40.00	40.00	00.00	0.00	40.00 SINGLE PUR NAV	62011
29 NANTICOKE RV DE MD	NAB	260.00	260.00	0.00	0.00	260.00 SINGLE PUR NAV	73549
	NAB	360.00	360.00	0.00	0.00	360.00 SINGLE PUR NAV	13554
	NAB	00.099	00.099	0.00	0.00	660.00 SINGLE PUR NAV	73557
_	NT BY NAB	125.00	125.00	00.00	0.00	125.00 SINGLE PUR NAV	73567
	NAB	70.00	70.00	0.00	0.00	70.00 SINGLE PUR NAV	73583
	NAB	782.00	782.00	0.00	0.00	782.00 SINGLE PUR NAV	73589
	R MD	150.00	150.00	0.00	0.00	SINGLE	73602
	NAB	615.00	615.00	0.00	0.00	SINGLE	73606
29 CHEESEQUAKE CREEK,	NAN	2590.00	2590.00	0.00	0.00	2590.00 SINGLE PUR NAV	73626
29 SHINNECOCK INLET NY	NAN	200.00	200.00	0.00	0.00	200.00 SINGLE PUR NAV	73644
29 GLEN COVE CRK NY	NAN	130.00	130.00	0.00	0.00	130.00 SINGLE PUR NAV	73686
•	NAP	290.00	290.00	0.00	0.00		73894
	NS VA NAO	597.00	597.00	0.00	0.00	SINGLE	75117
	ONN NED	412.00	412.00	0.00	0.00	SINGLE PUR	76064
29 CHINCOTEAGUE INLET VA	/A NAO	888.00	888.00	0.00	0.00	888.00 SINGLE PUR NAV	76106
	NAO	34.00	34.00	0.00	0.00	34.00 SINGLE PUR NAV	76107
29 RUDEE INLET, VIRGINIA	NAO	570.00	570.00	0.00	0.00	570.00 SINGLE PUR NAV	87455
		32265.00	32265.00	0.00	0.00	32265.00	
30 BELHAVEN HBR NC	SAW	415.00	415.00	0.00	0.00	415.00 SINGLE PUR NAV	1290
	SAS	9480.00	59.00	9421.00	0.00	59.00 MULTI W ALLOC	3350
	SAS	10365.00	26.00	10339.00	0.00	26.00 MULTI W ALLOC	7380
	SAW	857.00	857.00	00.00	0.00	857.00 SINGLE PUR NAV	10020
	SAW	6506.00	6506.00	0.00	0.00	6506.00 SINGLE PUR NAV	10580
	SAC	65.00	65.00	0.00	0.00	65.00 SINGLE PUR NAV	12030
_	SAJ	127.00	127.00	0.00	0.00	127.00 SINGLE PUR NAV	13250
30 PONCE DE LEON INLET FI	FL SAJ	2147.00	2147.00	0.00	0.00	2147.00 SINGLE PUR NAV	14310
	A GA SC SAS	2475.00	2475.00	0.00	0.00	2475.00 SINGLE PUR NAV	16450

SHALLOW DRAFT NAVIGATION PROJECTS NOT SUBJECT TO THE INLAND WATERWAY FUEL TAX- NAVIGATION COST RECOVERY ANALYSIS BY SEGMENT **OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000)** FY 1996 (EST. PRES) **TABLE 21S**

SEG	PROJECT NAME	DIV/ DIST	NA TOTAL AL	NAVIGATION ALLOC/SPECA	NAVIGATION OTHER .	JOINT RI	JOINT RECOVERY PROJECT USE AMOUNT TYPE	CWIS
30	SILVER LK HBR NC	SÄŴ	200.00	200.00	0.00	0.00	200.00 SINGLE PUR NAV	16800
30	ST. LUCIE INLET FL	SAJ	85.00	85.00	0.00	0.00	85.00 SINGLE PUR NAV	17370
90	ROANOKE RVR NC	SAW	125.00	125.00	0.00	0.00	125.00 SINGLE PUR NAV	22510
30	PAMLICO & TAR R NC	SAW	125.00	125.00	0.00	0.00	125.00 SINGLE PUR NAV	74615
30	ST AUGUSTINE HBR FL	SAJ	4.00	4.00	0.00	0.00		75027
စ္က	FOLLY RVR SC	SAC	386.00	386.00	00.00	0.00	386.00 SINGLE PUR NAV	87088
8			33362.00	13602.00	19760.00	0.00	13602.00	
32	COLUMBIA B BAKEB BAY	dd	00 96	00.80			VAN GUG E IONIO 00 90	0000
32	COLUM. R. BTN CHNK SD IS	NPP	7.00	7.00	0.00	00.0	7.00 SINGLE PUB NAV	-
8			33.00	33.00	00'0	0.00	33.00	
33	CHETCO RIVER	NPP	500.00	500.00	0.00	0.00	500.00 SINGLE PUR NAV	3130
33	COQUILLE R OR	NPP	454.00	454.00	0.00	0.00	454.00 SINGLE PUR NAV	3900
33	DEPOE BAY OR	NPP	3.00	3.00	0.00	0.00	3.00 SINGLE PUR NAV	4610
33	QUILLAYUTE RIVER	NPS	2250.00	2250.00	0.00	0.00	2250.00 SINGLE PUR NAV	14760
33	ROGUE RVR HBR GOLD BH	NPP	816.00	816.00	0.00	0.00	816.00 SINGLE PUR NAV	15600
8			4023.00	4023.00	0.00	00.0	4023.00	
34	SACRAMENTO RVR CA	SPK	117.00	117.00	0.00	0.00	117.00 SINGLE PUR NAV	8187
34	PETALUMA RVR CA	SPN	1690.00	1690.00	0.00	0.00	1690.00 SINGLE PUR NAV	13940
34	SACRAMENTO RVR DEBRIS CTRL	SPK	872.00	427.00	445.00	0.00	427.00 SINGLE PUR NAV	
8	YUBA RIVER DEBRIS TREAT CA	SPK	30.00	30.00	0.00	0.00	30.00 SINGLE PUR NAV	
ਲ			2709.00	2264.00	445,00	00.0	2264.00	
35	DILLINGHAM HBR AK	NPA	299.00	299 00	0	00	599 OO SING! E PI B NAV	7800
35	NOME HBR AK	NPA	305.00	305.00	0.00	0.00	305.00 SINGLE PUB NAV	
35			904.00	904,00	00'0	00'0	904.00	
36	NINILCHIK HBR AK	NPA	182.00	182.00	0.00	0.00	182.00 SINGLE PUR NAV	12640
36			182.00	182.00	000	00.0	182.00	

SHALLOW DRAFT NAVIGATION PROJECTS NOT SUBJECT TO THE INLAND WATERWAY FUEL TAX- NAVIGATION COST RECOVERY ANALYSIS BY SEGMENT **OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000)** FY 1996 (EST. PRES) **TABLE 21S**

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TYPE	
PROJECT CWIS TYPE NO	
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DIV/ DIST TOTAL ALLOC/SPECALLOC/SPEC USE AMOUNT	
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THER C/SPI	
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APPENDIX H - Shallow Draft Navigation Projects

<u>Subject to the InlandWaterway Fuel Tax,</u>

Analysis by <u>Segment,</u> O&M Expenditures for

FY 1996 (Estimated - President's Budget).

SHALLOW DRAFT NAVIGATION PROJECTS SUBJECT TO INLAND WATERWAY FUEL TAX BY SEGMENT- OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000) FY 1996 (EST. PRES) **TABLE 11S**

SEG	PROJECT NAME	VIO TSIO	N TOTAL AL	NAVIGATION OTHER ALLOC/SPECALLOC/SPEC	OTHER LOC/SPEC	JOINT NAVIGATION USE AMOUNT	WIGATION	PROJECT TYPE	CWIS
-	MISS. R. RHB MO R AND MPLS	NCS	4954.00	4954.00	0.00	0.00	4954.00	SINGLE PUR NAV	1053
-	CLARENCE CANNON DAM & RES	LNS	5279.00	2.00	5277.00	0.00	2.00	MULTI W ALLOC	2560
-	MISS R BTW MO R MWPLS MN	SN	12437.00	11948.00	489.00	0.00	11948.00	SINGLE PUR NAV	11370
-	MISS R BTN OH/MO R IL	LNS	18858.00	18623.00	235.00	0.00	18623.00	SINGLE PUR NAV	11380
-	MISS R BTW MO R MPLS MN	NCR	38749.00	36504.00	2245.00	0.00	36504.00	SINGLE PUR NAV	11550
-	RES AT HEADWATERS	NCS	3515.00	0.00	1538.00	1977.00	197.70	MULTI W ALLOC	15200
-	MISS. R. BET MO. AND MNPLS	NCS	29644.00	28853.00	791.00	0.00	28853.00	SINGLE PUR NAV	74295
-			113436.00	100884.00	10575.00	1977.00	101081.70		
Ø	CARLYLE LAKË, IL	LMS	3715.00	0.00	2165.00	1550.00	155.00	MULTI WO ALLOC	2700
8	KASKASKIA RVR IL	LMS	1710.00	1710.00	0.00	0.00	1710.00	SINGLE PUR NAV	8770
2	LAKE SHELBYVILLE, IL	LMS	6399.00	0.00	4630.00	1769.00	176.90	MULTI WO ALLOC	16691
2			11824.00	8 64	6795.00	3319.00	2041.90		
ო	MR&T CHAN IMP MAINT DREDG	LMV	20000.00	20000.00	00.00	00.00	20000.00	MR&T	99991
ဗ	MR&T CHAN IMP CONST DREDG	LMV	0.00	0.00	0.00	0.00	0.00	MR&T	99992
က	MR&T CHAN IMP MAINT DIKES	LMV	4620.00	4620.00	0.00	0.00	4620.00	MR&T	99993
က	MR&T CHAN IMP CONST DIKES	LMV	21666.00	21666.00	0.00	0.00	21666.00	MR&T	99994
က	MR&T CHAN IMP REVET MAINT	LMV	22915.00	0.00	0.00	7367.29	7630.70	MR&T	99995
က	MR&T CHAN IMP REVET CONST	LM<	22124.00	0.00	0.00	22124.00	7367.29	MR&⊤	96666
က	MR&T OLD RIVER MAINT	LMV	4821.00	0.00	0.00	4821.00	1605.39	MR&T	26666
က	MR&T OLD RIVER CONST	LMV	0.00	0.00	0.00	0.00	0.00	MR&T	86666
က	MR&T-ALL OTHER FEATURES	\ 	221058.00	0.00	221058.00	00:00	0.00	MR&⊤	66666
က			317204.00	46286.00	221058.00	49860.00	62889.38		
4	GIWW LA	LMN	16110.00	16110.00	0.00	0.00	16110.00	SINGLE PUR NAV	62
4	GIWW TX	SWG	17805.00	17805.00	0.00	0.00	17805.00	SINGLE PUR NAV	7140
4	MOUTH OF THE COLORADO RVR	SWG	1780.00	1780.00	0.00	00.00	1780.00	SINGLE PUR NAV	74826
4	CHANNEL TO PORT MANSFIELD	SWG	1510.00	1510.00	0.00	0.00	1510.00	SINGLE PUR NAV	74847
4	CHANNEL TO VICTORIA, TX	SWG	1595.00	1595.00	00.00	00:00	1595.00	SINGLE PUR NAV	88834
4			38800.00	38800.00	0.0	0.00	38800.00		

SHALLOW DRAFT NAVIGATION PROJECTS SUBJECT TO INLAND WATERWAY FUEL TAX BY SEGMENT- OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000) FY 1996 (EST. PRES) **TABLE 11S**

SEG BOOK TOT MANY	/\land		NAVIGATION	ОТНЕЯ	Ž	VIGATION	PROJECT	CWIS
	-SIO	IOIAL A	ALLOC/SPE/ALLOC/SPEC	LLOC/SPEC	USE	AMOUNT	TYPE	ON ON
5 GIWW-MOBILE DIST AL, MS, FL	SAM	3172.00	3172.00	00.00	0.00	3172.00	SINGLE PUR NAV	7130
2		3172.00	3172,00	00.0	0.00	3172.00		
6 APLCH-CHAT-FLINT, FL, AL, GA	SAM	4321.00	4151.00	170.00	0.00	4151.00	SING F PLIB NAV	410
6 BUFORD DAM GA	SAM	7377.00	73.00	7304.00	0.00	73.00	MULTI W ALLOC	2190
	SAM	5111.00	1301.00	3810.00	0.00	1301.00	MULTI W ALLOC	8450
	SAM	6434.00	788.00	5646.00	0.00	788.00	MULTI W ALLOC	19190
6 WEST PT DAN AL GA	SAM	5114.00	15.00	5099.00	0.00	15.00	MULTI W ALLOC	19710
6		28357,00	6328.00	22029.00	000	6328.00		
7 BWT RVR AL	SAM	16820.00	15144.00	1676.00	0.00	15144.00	SINGLE PUB NAV	1680
7		16820.00	15144.00	1676.00	00.0	15144.00		
	SAM	3688.00	721.00	2967.00	0.00	721.00	MULTI W ALLOC	8590
	SAM	5156.00	720.00	4436.00	0.00	720.00	MULTI W ALLOC	11230
8 ALA-COOSA RIVERS, AL	SAM	5668.00	5172.00	496.00	0.00	5172.00	SINGLE PUR NAV	23240
The state of the s		14512.00	6613.00	7899.00	00:0	6613.00		
9 TENN-TOM WWY AL, MS	SAM	21090.00	16742.00	4348.00	0.00	16742.00	SINGLE PUR NAV	18070
Đ.		21090.00	16742.00	4348.00	000	16742.00		
10 TENNESSEE BIVER	C	13637 00	13637 00	000	0	10001	CALCUMO	00001
10		13637.00	13637.00	0.00	0.00	13637.00	SINGLE FUN NAV	18080
11 GREEN BARREN RVR KY	임	1374.00	1374.00	00.00	0.00	1374.00	SINGLE PUR NAV	0269
11		1374.00	1374.00	0.00	000	1374.00		
12 KENTUCKY RVR KY	ORL	1059.00	1059.00	0.00	0.00	1059.00	SING F PUB NAV	8920
12		1059.00	1059.00	00.0	00.0	1059.00		0.400
13 OH RVR LOCKS - DAMS	OBH	17286.00	16962 00	324 00	S	16062.00	CINIO DI CINIO	07.70
	ORP	270.00	270.00	0.00	0.00	270.00	SINGLE PUR NAV	13160

SHALLOW DRAFT NAVIGATION PROJECTS SUBJECT TO INLAND WATERWAY FUEL TAX BY SEGMENT- OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000) FY 1996 (EST. PRES) TABLE 11S

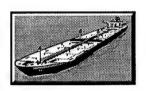
SEG	PROJECT NAME	DIV/ DIST	NAN TOTAL ALL	NAVIGATION OTHER ALLOC/SPE/ALLOC/SPEC		JOINT NAVIGATION USE AMOUNT	VVIGATION AMOUNT	PROJECT TYPE	CWIS
13	OH RVR OP CH WORK	ÖŘĤ	2050.00	2050.00	0.00	0.00	2050.00	SINGLE PUR NAV	13170
13	OH RVR LD CONSTR PA	ORP	13020.00	13020.00	0.00	0.00	13020.00	SINGLE PUR NAV	13180
13	OH RVR OP CH WRK IL	ORL	3705.00	3705.00	0.00	0.00	3705.00	SINGLE PUR NAV	13190
13	OH RVR LCK DAMS IL	ORL	23262.00	23042.00	220.00	0.00	23042.00	SINGLE PUR NAV	13200
13			59593.00	59049.00	544.00	0.00	59049.00		
5	KANAWHA BVB I CKS & DAMS WV	H	11376 00	11376 00	00.0	0.00	11376.00	SINGLE PUR NAV	8720
4	SUMMERSVILLE LAKE, WV	ORH	1310.00	0.00	610.00	700.00	70.00	MULTI WO ALLOC	17740
7			12686.00	11376.00	610.00	700.00	11446.00		
7	ALLEGHENY RVR PA	ORP	12736.00	12718.00	18.00	0.00	12718.00	SINGLE PUR NAV	230
45			12736.00	12718.00	18.00	0.00	12718.00		
5	MONONGAHEI A RVB PA	ORP	16568.00	16568.00	0.00	0.00	16568.00	SINGLE PUR NAV	11740
16	TYGART LAKE, WV	ORP	1615.00	0.00	199.00	1416.00	141.60	MULTI WO ALLOC	18730
16			18183,00	16568.00	199.00	1416.00	16709.60		
17	M-K ARK R NAV SYS OK	SWT	4769.00	4631.00	138.00	0.00	4631.00	SINGLE PUR NAV	510
17	M-K ARK R NAV SYS AR	SWL	20479.00	17357.00	3122.00	0.00	17357.00	SINGLE PUR NAV	520
17	DARDANELLE AR	SWL	6385.00	2467.00	3918.00	0.00	2467.00	MULTI W ALLOC	4460
17	EUFAULA LAKE OK	SWT	4406.00	446.00	3960.00	0.00	446.00	MULTI W ALLOC	5650
17	KEYSTONE LAKE OK	SWT	3819.00	296.00	3223.00	0.00	296.00	MULTI W ALLOC	8990
17	OOLOGAH LAKE, OK	SWT	1373.00	122.00	1251.00	0.00	122.00	MULTI W ALLOC	13340
17	KERR L D RES OK	SWT	4862.00	2162.00	2700.00	0.00	2162.00	MULTI W ALLOC	15370
17	WEBBERS FLS LAD OK	SWT	3515.00	1376.00	2139.00	0.00	1376.00	MULTI W ALLOC	19590
17	WHITE RVR AR	LMM	2200.00	2200.00	0.00	0.00	2200.00	SINGLE PUR NAV	19830
17	OZARK L&D AR	SWL	4175.00	975.00	3200.00	0.00	975.00	MULTI W ALLOC	22480
47			55983.00	32332.00	23651.00	000	32332.00		
6	PEARL RVR MS-LA	Z X	280.00	280.00	0.00	0.00	280.00	SINGLE PUR NAV	13780
18			280.00	280.00	00'0	00.0	280.00		

SHALLOW DRAFT NAVIGATION PROJECTS SUBJECT TO INLAND WATERWAY FUEL TAX BY SEGMENT- OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000) FY 1996 (EST. PRES) **TABLE 11S**

SEG	PROJECT NAME	DIV/ DIST	NA TOTAL AL	NAVIGATION OTHER ALLOC/SPEIALLOC/SPEC		JOINT NAVIGATION USE AMOUNT	VVIGATION AMOUNT	PROJECT TYPE	CWIS
19	OUACHITA/BLACK R AR LA	LMK	5304.00	4272.00	1032.00	0.00	4272.00	SINGLE PUR NAV	13460
19	DEGRAY LAKE	LMK	4189.00	62.00	4127.00	0.00	62.00	MULTI W ALOC	36011
13			9493.00	4334.00	5159.00	0.00	4334.00		
20	RED R WW MISS R TO SHREVE	LMK	9714.00	9494.00	220.00	0.00	9494.00	SINGLE PUR NAV	65
ន			9714.00	9494.00	220.00	000	9494.00		
21	ILLINOIS WWY, IL	NCB	20844.00	20561.00	283.00	0.00	20561.00	SINGLE PUR NAV	8010
23	ILLINOIS WWY, IL	LMS	1440.00	1440.00	00:00	0.00	1440.00	SINGLE PUR NAV	8040
- N			3	77001 (8)	8	3			
22	BARKLEY D LAKE BARKLEY, KY	ORN	7026.00	2887.00	4139.00	0.00	2887.00	MULTI W ALLOC	940
52	CHEATHAM L D	ORN	5895.00	3364.00	2531.00	0.00	3364.00	MULTI W ALLOC	3040
22	CORDELL HULL D RES	ORN	4192.00	328.00	3864.00	0.00	328.00	MULTI W ALLOC	3940
22	OLD HICKORY L D	ORN	7282.00	2259.00	5023.00	0.00	2259.00	MULTI W ALLOC	13280
S			24395.00	8838.00	15557.00	900	8838.00		
23	MO RVR SIOUX CTY TO MTH	MHO	00.8909	3329.00	239.00	2500.00	3579.00	MULTI WO ALLOC	621
23	FT PECK DAM MT	MRO	4050.00	399.00	3651.00	0.00	399.00	MULTI W ALLOC	6230
83	FT RNDL D LK FRNCS CSE SD	MRO	8520.00	619.00	7901.00	0.00	619.00	MULTI W ALLOC	6270
23	GARRISON D LK SAKWA ND	MRO	9154.00	514.00	8640.00	0.00	514.00	MULTI W ALLOC	6400
83	GAVINS PT D LW CLK LKE SD	MRO	6363.00	209.00	5854.00	0.00	209.00	MULTI W ALLOC	6440
23	OAHE D LKE SD ND	MRO	9363.00	493.00	8870.00	0.00	493.00	MULTI W ALLOC	12960
23	RATHBURW LKE IOWA	MRK	2028.00	0.00	1037.00	991.00	99.10	MULTI WO ALLOC	14880
23	TUTTLE LKE CK KANSAS	MRK	2202.00	0.00	464.00	1738.00	173.80	MULTI WO ALLOC	18660
23	WILSON LKE KANSAS	MRK	1307.00	0.00	765.00	542.00	54.20	MULTI WO ALLOC	20060
R			49055.00	5863.00	37421.00	5771.00	6440.10		
53	ATLANTIC IWW VA	NAO	1732.00	1732.00	0.00	0.00	1732.00	SINGLE PUR NAV	720
59	BLACKWATER RIVER, VA	NAO	495.00	495.00	0.00	0.00	495.00	SINGLE PUR NAV	27028
53	SCITUATE HARBOR, MA	NED	208.00	208.00	0.00	0.00	208.00	SINGLE PUR NAV	39062
83	AIWW DISMAL SWAP CANAL	NAO	1437.00	1437.00	0.00	0.00	1437.00	SINGLE PUR NAV	88800

SHALLOW DRAFT NAVIGATION PROJECTS SUBJECT TO INLAND WATERWAY FUEL TAX BY SEGMENT- OPERATIONS AND MAINTENANCE EXPENDITURES (\$1,000) FY 1996 (EST. PRES) **TABLE 11S**

29 AIWW SC SAC 2420.00 0.00 0.00 2420.00 SINGLE PUR NAV 30 AIWW AXTO MIAMI FL SAM 5097.00 2420.00 0.00 2420.00 SINGLE PUR NAV 30 AIWW-WILLM NC SAM 5097.00 5097.00 0.00 5097.00 SINGLE PUR NAV 30 AIWW-WILLM NC SAM 5097.00 3283.00 0.00 0.00 3607.00 SINGLE PUR NAV 30 AIWW-WILL AND TO ST JOHN R F SAM 852.00 1916.00 0.00 0.00 380.00 SINGLE PUR NAV 30 AIWW SCAPULIAR ETALS INLET SAM 862.00 465.00 0.00 0.00 380.00 SINGLE PUR NAV 30 AIRW GESTOR 1896.00 0.00 0.00 0.00 380.00 SINGLE PUR NAV 30 AIRW GESTOR 1896.00 0.00 0.00 380.00 SINGLE PUR NAV 30 AIRW GESTOR 1896.00 0.00 0.00 380.00 SINGLE PUR NAV 30 <	300	PROJECT NAME	DIST	TOTAL A	ALLOC/SPE/ALLOC/SPEC	LOC/SPEC	USE	USE AMOUNT	TYPE	200
AIWW SC SAC 2420.00 2420.00 0.00 2420.00 SINGLE PUR NAV MAWA-WILLM NC SAM 5097.00 5097.00 0.00 5097.00 SINGLE PUR NAV MWA-WILLM NC SAJ 3293.00 3293.00 0.00 5097.00 SINGLE PUR NAV AWW JAX TO MIAMI FL SAJ 75.00 1916.00 0.00 3293.00 SINGLE PUR NAV AWW FERIN TO ST JOHN R F SAJ 1916.00 1916.00 0.00 0.00 3293.00 SINGLE PUR NAV CAPOLINA BEACH INLET SAW 892.00 1916.00 0.00 0.00 1916.00 SINGLE PUR NAV NEW TOPSAIL INLET SAW 840.00 882.00 0.00 0.00 1916.00 SINGLE PUR NAV NEW TOPSAIL INLET, NC SAW 865.00 655.00 0.00 0.00 690.00 SINGLE PUR NAV NEW TOPSAIL INLET, NC SAW 865.00 655.00 0.00 0.00 600.00 SINGLE PUR NAV NEW FILOR NEW TOPSAIL INLET, NC SAW	29			3872.00	3872.00	00'0	00'0	3872.00		
AIWW-WILM NC SAM 5097.00 5007.00 5009.00 5097.00 SINGLE PUR NAV WWW JAXTO MIAMIH E SAJ 75.00 75.00 0.00 3293.00 5097.00 3293.00 SINGLE PUR NAV AWW GA SAS 1916.00 1916.00 0.00 0.00 1916.00 SINGLE PUR NAV AWW GA SAW 1916.00 1916.00 0.00 0.00 1916.00 SINGLE PUR NAV AWW GA SAW 862.00 0.00 0.00 1916.00 SINGLE PUR NAV CAROLINA BEACH INLET, NC SAW 862.00 0.00 0.00 4650.00 SINGLE PUR NAV BOGUE INLET, NC SAW 655.00 655.00 0.00 0.00 655.00 SINGLE PUR NAV NEW RIVERI INLET, NC SAW 655.00 655.00 0.00 14.00 4650.00 SINGLE PUR NAV NEW RIVERI INLET, NC SAW 1595.00 14.00 0.00 0.00 655.00 SINGLE PUR NAV NEW RIVERI INLET, NC SAW 1595.00 <td>30</td> <td>AIWW SC</td> <td>SAC</td> <td>2420.00</td> <td>2420.00</td> <td>00.00</td> <td>0.00</td> <td>2420.00</td> <td>SINGLE PUR NAV</td> <td>20</td>	30	AIWW SC	SAC	2420.00	2420.00	00.00	0.00	2420.00	SINGLE PUR NAV	20
IMW JAX TO MIAMI FL SAJ 3293.00 3293.00 0.00 3293.00 SINGLE PUR NAV AWWW FERND TO ST JOHN R F SAJ 75.00 75.00 0.00 0.00 75.00 SINGLE PUR NAV ARWW FERND TO ST JOHN R F SAS 1916.00 1916.00 0.00 0.00 1916.00 SINGLE PUR NAV CAROLINA BEACH INLET, NC SAW 862.00 4650.00 0.00 0.00 1916.00 SINGLE PUR NAV NEW TOPSAIL INLET, NC SAW 865.00 655.00 0.00 0.00 1900 SINGLE PUR NAV NEW TOPSAIL INLET, NC SAW 655.00 655.00 0.00 0.00 1900 SINGLE PUR NAV NEW TOPSAIL INLET, NC SAW 655.00 1400 0.00 0.00 1900 SINGLE PUR NAV NEW TOPSAIL INLET, NC SAW 655.00 1400 0.00 0.00 0.00 SINGLE PUR NAV NEW TOPSAIL INLET, NC SAW 4465.00 14465.00 0.00 0.00 0.00 SINGLE PUR NAV <td< td=""><td>30</td><td>AIWW-WILM NC</td><td>SAW</td><td>5097.00</td><td>5097.00</td><td>0.00</td><td>0.00</td><td>5097.00</td><td>SINGLE PUR NAV</td><td>30</td></td<>	30	AIWW-WILM NC	SAW	5097.00	5097.00	0.00	0.00	5097.00	SINGLE PUR NAV	30
AIWW FERIND TO ST JOHN R F SAJ 75.00 75.00 0.00 75.00 SINGLE PUR NAV AIWW GA SAW SP2.00 1916.00 0.00 0.00 75.00 SINGLE PUR NAV ARWOLING GA SAW 4650.00 4650.00 0.00 0.00 1916.00 SINGLE PUR NAV MASONBORO INLET SAW 4650.00 4650.00 0.00 0.00 665.00 SINGLE PUR NAV NEW TOPSAIL INLET, NC SAW 4650.00 1560.00 0.00 0.00 665.00 SINGLE PUR NAV BOGUE INLET, NC SAW 4650.00 1560.00 0.00 0.00 665.00 SINGLE PUR NAV NEW TOPSAIL INLET, NC SAW 440.00 1560.00 0.00 0.00 665.00 SINGLE PUR NAV NEW RIVER INLET, NC SAW 4465.00 1440.00 0.00 1450.00 1450.00 1450.00 1450.00 1450.00 1450.00 1450.00 1450.00 1450.00 1450.00 1450.00 1450.00 1450.00 1450.00	30	IWW JAX TO MIAMI FL	SAJ	3293.00	3293.00	0.00	0.00	3293.00	PUR	8420
AIWW GA SAS 1916.00 1916.00 0.00 1916.00 SINGLE PUR NAV CAROLINA BEACH INLET, NC SAW 852.00 4650.00 0.00 6.00 862.00	30	AIWW FERND TO ST JOHN R F	SAJ	75.00	75.00	0.00	0.00	75.00	SINGLE PUR NAV	20470
CAROLINA BEACH INLET, NC SAW 852.00 852.00 0.00 0.00 852.00 SINGLE PUR NAV MASONBORIO INLET SAW 4650.00 4650.00 0.00 0.00 4650.00 SINGLE PUR NAV NEW TOPSAIL INLET, NC SAW 655.00 655.00 0.00 0.00 655.00 SINGLE PUR NAV BEADLES LICE AND INLET, NC SAW 1595.00 1595.00 0.00 0.00 655.00 SINGLE PUR NAV NEW HIVER INLET, NC SAW 1595.00 1595.00 0.00 1690 0.00 655.00 SINGLE PUR NAV NEW HIVER INLET, NC SAW 1595.00 14.00 4453.00 0.00 655.00 SINGLE PUR NAV NEW HIVER INLET, NC SAW 14885.00 14.00 4453.00 0.00 16.00 16.00 16.00 SINGLE PUR NAV NEW HIVER INLET, NC NP 1282.00 1726.00 1726.00 0.00 1726.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00	30	AIWW GA	SAS	1916.00	1916.00	0.00	0.00	1916.00	SINGLE PUR NAV	74569
MASONBOHO INLET SAW 4650.00 4650.00 0.00 4650.00 SINGLE PUR NAV BOGUE INLET, NC SAW 840.00 840.00 0.00 645.00 SINGLE PUR NAV BOGUE INLET, NC SAW 685.00 150.00 0.00 655.00 SINGLE PUR NAV BOGUE INLET, NC SAW 1585.00 150.00 0.00 655.00 SINGLE PUR NAV NEW RIVER INLET, NC SAW 1585.00 150.00 0.00 655.00 SINGLE PUR NAV NEW RIVER INLET, NC SAW 1585.00 14.00 4453.00 0.00 150.00 SINGLE PUR NAV ALBENI FALLS DIDAHO NPS 1282.00 17.00 0.00 14.00 MULTI WALLOC COUGARL KE OR NPP 12270.00 1726.00 0.00 1776.00 MULTI WALLOC DETROIT B CLIFF OR NPP 12270.00 1726.00 0.00 1776.00 MULTI WALLOC DWORSHAK D RES ID NOW 9144.00 117.00 9027.00 0.00 1776.00 MULTI WALLO	30	CAROLINA BEACH INLET, NC	SAW	852.00	852.00	0.00	0.00	852.00	SINGLE PUR NAV	88801
NEW TOPSAIL INLET, NC SAW 840.00 840.00 0.00 655.00	8	MASONBORO INLET	SAW	4650.00	4650.00	0.00	0.00	4650.00	SINGLE PUR NAV	88802
BOGUE INLET, NC SAW 655.00 655.00 0.00 0.00 655.00 SINGLE PUR NAV NEW RIVER INLET, NC SAW 1595.00 1595.00 0.00 0.00 1656.00 SINGLE PUR NAV ALBENI FALLS DI DAHO NPS 4467.00 14.00 4453.00 0.00 14.00 MULTI WALLOC ICE HBR LD WA NPW 14885.00 8525.00 6360.00 0.00 4.00 MULTI WALLOC COUGAR LKE OR NPW 1282.00 1726.00 1726.00 MULTI WALLOC DALLES L D OR WA NPP 12270.00 1726.00 1726.00 MULTI WALLOC DETROIT B CLIFF OR NPP 12270.00 1726.00 1726.00 MULTI WALLOC DETROIT B CLIFF OR NPP 12220.00 3.00 2244.00 0.00 3.00 MULTI WALLOC DETROIT B CLIFF OR NPP 117.00 90.00 0.00 1726.00 MULTI WALLOC DALLES L KE OR NPP 752.00 3.00 2444.00 0.00 0.00 <t< td=""><td>တ္တ</td><td>NEW TOPSAIL INLET, NC</td><td>SAW</td><td>840.00</td><td>840.00</td><td>0.00</td><td>0.00</td><td>840.00</td><td>PUR</td><td>88803</td></t<>	တ္တ	NEW TOPSAIL INLET, NC	SAW	840.00	840.00	0.00	0.00	840.00	PUR	88803
NEW RIVER INLET, NC SAW 1595.00 1595.00 0.00 0.00 0.00 1595.00 SINGLE PUR NAV 1595.00 14.00 0.00 0.00 21383.00 0.00 14	30	BOGUE INLET, NC	SAW	655.00	655.00	0.00	0.00	655.00	PUR	88804
ALBENI FALLS D IDAHO NPS 4467.00 14.00 4453.00 0.00 14.00 MULTI W ALLOC ICE HBRL D WA NPW 14885.00 8525.00 0.00 1726.00 MULTI W ALLOC COUGRA LKE OR NPP 12270.00 1726.00 0.00 1726.00 MULTI W ALLOC DALLES L D OR WA NPP 12270.00 1726.00 0.00 1726.00 MULTI W ALLOC DWORSHAK D RES ID NOW 9144.00 117.00 9027.00 0.00 3.00 MULTI W ALLOC GREEN PETER FOSTER OR NPP 752.00 3.00 1736.00 0.00 3.00 MULTI W ALLOC HILLS CK LKE OR NPP 12223.00 1300 2244.00 0.00 3.00 MULTI W ALLOC JOHN DAY L D OR WA NPP 12223.00 1312.00 10911.00 0.00 1312.00 MULTI W ALLOC LITTLE GOOSE LD WA NPW 4978.00 337.00 4641.00 0.00 357.00 MULTI W ALLOC LWR GRANITE L D WA NPW 10619.00 357.00 10262.00 0.00 357.00 MULTI W ALLOC LWR GRANITE L D WA NPW 12561.00 1688.00 0.00 354.00 MULTI W ALLOC MURMARY LD OR WA NPW 12561.00 1688.00 0.00 354.00 MULTI W ALLOC WILMT I W ALLOC NINDMARY L D OR WA NPW 12561.00 1688.00 0.00 354.00 MULTI W ALLOC WILMT I W ALLOC NINDMARY L D OR WA NPW 12561.00 1688.00 0.00 354.00 MULTI W ALLOC WILMT I W ALLOC NINDMARY L D OR WA NPW 12561.00 1688.00 0.00 354.00 MULTI W ALLOC WILMT I W ALLOC NINDMARY L D OR WA NPW 12561.00 1688.00 0.00 354.00 MULTI W ALLOC NINDMARY L D OR WA NPW 12561.00 1688.00 0.00 354.00 MULTI W ALLOC NINDMARY L D OR WA NPW 12561.00 1688.00 0.00 354.00 MULTI W ALLOC NINDMARY L D OR WA NPW 12561.00 1688.00 0.00 354.00 MULTI W ALLOC	30	NEW RIVER INLET, NC	SAW	1595.00	1595.00	0.00	0.00	1595.00	SINGLE PUR NAV	88805
ICE HBR L D WA NPW 14885.00 8525.00 6360.00 0.00 8525.00 MULTI W ALLOC COUGAR LKE OR NPP 1282.00 4.00 1278.00 0.00 4.00 MULTI W ALLOC DALLES L D OR WA NPP 1227.00 1726.00 1726.00 0.00 4.00 MULTI W ALLOC DETROIT B CLIFF OR NPP 2247.00 3.00 2244.00 0.00 177.00 MULTI W ALLOC DWORSHAK D RES ID NOW 9144.00 117.00 9027.00 0.00 117.00 MULTI W ALLOC GREEN PETER FOSTER OR NPP 2558.00 3.00 2555.00 0.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 MULTI W ALLOC 3.00 MULTI W ALLOC 3.00 MULTI W ALLOC 3.00 3.00 3.00 3.00 3.00 MULTI W ALLOC 3.00 3.00 3.00 3.00 3.00 3.00 3.00	32	ALBENI FALLS DIDAHO	NPS	4467.00	14.00	4453.00	0.00	14.00	MULTI W ALLOC	200
ICE HBR L D WA NPW 14885.00 8525.00 6360.00 0.00 8525.00 MULTI W ALLOC COUGAR LKE OR NPP 1282.00 4.00 1278.00 0.00 4.00 MULTI W ALLOC DALLES L D OR WA NPP 12270.00 1726.00 1726.00 1726.00 MULTI W ALLOC DETROIT B CLIFF OR NPP 2247.00 3.00 2244.00 0.00 3.00 MULTI W ALLOC DWORSHAK D RES ID NOW 9144.00 117.00 9027.00 0.00 3.00 MULTI W ALLOC GREEN PETER FOSTER OR NPP 2558.00 3.00 2555.00 0.00 3.00 MULTI W ALLOC JOHN DAY L D OR WA NPP 752.00 3.00 749.00 0.00 3.00 MULTI W ALLOC LITTLE GOOSE LD WA NPW 4978.00 337.00 4641.00 0.00 337.00 MULTI W ALLOC LWA GRANITE L D WA NPW 10619.00 357.00 0.00 357.00 MULTI W ALLOC LWA MONUMENTAL L D WA NPP	35	ALBENI FALLS D IDAHO	NPS	4467.00	14.00	4453.00	0.00	14.00	MULTI W ALLOC	200
COUGAR LKE OR NPP 1282.00 4.00 1278.00 0.00 4.00 MULTIW ALLOC DALLES L DOR WA NPP 12270.00 1726.00 1726.00 1726.00 1726.00 1726.00 4.00 1726.00 MULTIW ALLOC DETROIT B CLIFF OR NPP 2247.00 3.00 2244.00 0.00 3.00 MULTIW ALLOC DWORSHAK D RES ID NOW 9144.00 117.00 9027.00 0.00 117.00 MULTIW ALLOC GREEN PETER FOSTER OR NP 2558.00 3.00 2555.00 0.00 3.00 MULTIW ALLOC HILLS CK LKE OR NP 752.00 3.00 749.00 0.00 3.00 MULTIW ALLOC JOHN DAY LD OR WA NPW 4978.00 1312.00 10911.00 0.00 1312.00 MULTIW ALLOC LKOUT PT OR NPW 1978.00 13.00 5426.00 0.00 357.00 0.00 357.00 0.00 357.00 0.00 357.00 0.00 354.00 0.00 354.00	35	ICE HBR L D WA	MdN	14885.00	8525.00	6360.00	0.00	8525.00	MULTI W ALLOC	809
DALLES L D OR WA NPP 12270.00 1726.00 10544.00 0.00 1726.00 MULTI W ALLOC DETROIT B CLIFF OR NPP 2247.00 3.00 2244.00 0.00 3.00 MULTI W ALLOC DWORSHAK D RES ID NOW 9144.00 117.00 9027.00 0.00 3.00 MULTI W ALLOC GREEN PETER FOSTER OR NPP 2558.00 3.00 2555.00 0.00 3.00 MULTI W ALLOC HILLS CK LKE OR NPP 752.00 3.00 10911.00 0.00 3.00 MULTI W ALLOC JOHN DAY LD OR WA NPW 12223.00 1312.00 10911.00 0.00 1312.00 MULTI W ALLOC LKOUT PT OR NPW 1478.00 13.00 4641.00 0.00 13.00 MULTI W ALLOC LWR GRANITE L D WA NPW 10619.00 357.00 0.00 357.00 MULTI W ALLOC LWR MONUMENTAL L D WA NPW 12561.00 1688.00 0.00 364.00 0.00 354.00 MULTI W ALLOC <	32	COUGAR LKE OR	NPP	1282.00	4.00	1278.00	0.00	4.00	MULTI W ALLOC	4080
DETROIT B CLIFF OR NPP 2247.00 3.00 2244.00 0.00 3.00 MULTI W ALLOC DWORSHAK D RES ID NOW 9144.00 117.00 9027.00 0.00 117.00 MULTI W ALLOC GREEN PETER FOSTER OR NPP 2558.00 3.00 2555.00 0.00 3.00 MULTI W ALLOC HILLS CK LKE OR NPP 752.00 3.00 749.00 0.00 3.00 MULTI W ALLOC JOHN DAY LD OR WA NPP 12223.00 1312.00 10911.00 0.00 1312.00 MULTI W ALLOC LKOUT PT OR NPW 4978.00 13.00 4641.00 0.00 13.00 MULTI W ALLOC LWR GRANITE LD WA NPW 10619.00 357.00 10262.00 0.00 357.00 MULTI W ALLOC LWR MONUMENTAL LD WA NPW 12561.00 1688.00 10873.00 0.00 354.00 MULTI W ALLOC WILMTE FALLS LK OR NPP 846.00 0.00 0.00 1688.00 0.00 364.00 0.00 364.	35	DALLES L D OR WA	NPP	12270.00	1726.00	10544.00	0.00	1726.00	MULTI W ALLOC	4400
DWORSHAK D RES ID NOW 9144.00 117.00 9027.00 0.00 117.00 MULTI W ALLOC GREEN PETER FOSTER OR NPP 2558.00 3.00 2555.00 0.00 3.00 MULTI W ALLOC HILLS CK LKE OR NPP 752.00 3.00 749.00 0.00 3.00 MULTI W ALLOC JOHN DAY LD OR WA NPP 12223.00 1312.00 10911.00 0.00 1312.00 MULTI W ALLOC LITTLE GOOSE LD WA NPW 4978.00 337.00 4641.00 0.00 1312.00 MULTI W ALLOC LWR GRANITE LD WA NPW 10619.00 357.00 10262.00 0.00 357.00 MULTI W ALLOC LWR MONUMENTAL LD WA NPW 12561.00 1688.00 10873.00 0.00 354.00 MULTI W ALLOC WILMTE FALLS LK OR NPP 846.00 846.00 0.00 846.00 0.00 846.00 0.00 846.00 0.00 10817 WA	32	DETROIT B CLIFF OR	MPP	2247.00	3.00	2244.00	0.00	3.00	MULTI W ALLOC	4690
GREEN PETER FOSTER OR NPP 2558.00 3.00 2555.00 0.00 3.00 MULTI W ALLOC HILLS CK LKE OR NPP 752.00 3.00 749.00 0.00 3.00 MULTI W ALLOC JOHN DAY LD OR WA NPP 12223.00 1312.00 10911.00 0.00 1312.00 MULTI W ALLOC LITTLE GOOSE LD WA NPW 4978.00 337.00 4641.00 0.00 337.00 MULTI W ALLOC LWR GRANITE LD WA NPW 10619.00 357.00 10262.00 0.00 357.00 MULTI W ALLOC LWR MONUMENTAL LD WA NPW 12561.00 1688.00 10873.00 0.00 354.00 MULTI W ALLOC WILMTE FALLS LK OR NPP 846.00 846.00 0.00 866.00 866.00 800 800 800 800 800 800 800 800 800 800 800 800 800 800 800 800 800 860 800 800 800 800 800 800<	32	DWORSHAK D RES ID	MON	9144.00	117.00	9027.00	0.00	117.00	MULTI W ALLOC	2090
HILLS CK LKE OR NPP 752.00 3.00 749.00 0.00 3.00 MULTI W ALLOC JOHN DAY LD OR WA NPP 12223.00 1312.00 10911.00 0.00 1312.00 MULTI W ALLOC LITTLE GOOSE LD WA NPW 4978.00 337.00 4641.00 0.00 337.00 MULTI W ALLOC LKOUT PT OR NPW 10619.00 357.00 10262.00 0.00 357.00 MULTI W ALLOC LWR MONUMENTAL LD WA NPR 5318.00 354.00 10864.00 0.00 354.00 MULTI W ALLOC MCNARY LD OR WA NPW 12561.00 1688.00 10873.00 0.00 1688.00 MULTI W ALLOC WILMTE FALLS LK OR NPP 846.00 0.00 846.00 0.00 846.00 0.00 846.00	32	GREEN PETER FOSTER OR	NPP	2558.00	3.00	2555.00	0.00	3.00	MULTI W ALLOC	6940
JOHN DAY LD OR WA NPP 12223.00 1312.00 10911.00 0.00 1312.00 MULTI W ALLOC LITTLE GOOSE LD WA NPW 4978.00 337.00 4641.00 0.00 337.00 MULTI W ALLOC LKOUT PT OR NPP 5439.00 13.00 5426.00 0.00 13.00 MULTI W ALLOC LWR GRANITE LD WA NPW 10619.00 357.00 10262.00 0.00 357.00 MULTI W ALLOC LWR MONUMENTAL LD WA NPW 12561.00 1688.00 10873.00 0.00 1688.00 MULTI W ALLOC WILMTE FALLS LK OR NPP 846.00 846.00 0.00 846.00 800 846.00 810GLE PUR NAV	32	HILLS CK LKE OR	NPP	752.00	3.00	749.00	0.00	3.00	MULTI W ALLOC	7530
LITTLE GOOSE LD WA NPW 4978.00 337.00 4641.00 0.00 337.00 MULTI W ALLOC LKOUT PT OR NPP 5439.00 13.00 5426.00 0.00 13.00 MULTI W ALLOC LWR GRANITE LD WA NPW 10619.00 357.00 10262.00 0.00 357.00 MULTI W ALLOC LWR MONUMENTAL LD WA NPW 12561.00 1688.00 10873.00 0.00 1688.00 MULTI W ALLOC WILMTE FALLS LK OR NPP 846.00 846.00 0.00 846.00 SINGLE PUR NAV	32	JOHN DAY L D OR WA	NPP	12223.00	1312.00	10911.00	0.00	1312.00	MULTI W ALLOC	8480
LKOUT PT OR NPP 5439.00 13.00 5426.00 0.00 13.00 MULTI W ALLOC LWR GRANITE L D WA NPW 10619.00 357.00 10262.00 0.00 357.00 MULTI W ALLOC LWR MONUMENTAL L D WA NPR 5318.00 354.00 4964.00 0.00 354.00 MULTI W ALLOC MCNARY LD OR WA NPW 12561.00 1688.00 10873.00 0.00 1688.00 MULTI W ALLOC WILMTE FALLS LK OR NPP 846.00 846.00 0.00 846.00 SINGLE PUR NAV	35	LITTLE GOOSE LD WA	MPW	4978.00	337.00	4641.00	0.00	337.00	MULTI W ALLOC	9880
LWR GRANITE L D WA NPW 10619.00 357.00 10262.00 0.00 357.00 MULTI W ALLOC LWR MONUMENTAL L D WA NPR 5318.00 354.00 4964.00 0.00 354.00 MULTI W ALLOC MCNARY LD OR WA NPW 12561.00 1688.00 10873.00 0.00 1688.00 MULTI W ALLOC WILMTE FALLS LK OR NPP 846.00 846.00 0.00 846.00 SINGLE PUR NAV	32	LKOUT PT OR	NPP	5439.00	13.00	5426.00	0.00	13.00	MULTI W ALLOC	10050
LWR MONUMENTAL L D WA NPR 5318.00 354.00 4964.00 0.00 354.00 MULTI W ALLOC MCNARY LD OR WA NPW 12561.00 1688.00 10873.00 0.00 1688.00 MULTI W ALLOC WILMTE FALLS LK OR NPP 846.00 846.00 0.00 846.00 SINGLE PUR NAV	32	LWR GRANITE L D WA	NPW	10619.00	357.00	10262.00	0.00	357.00	MULTI W ALLOC	10180
MCNARY LD OR WA NPW 12561.00 1688.00 10873.00 0.00 1688.00	32	LWR MONUMENTAL L D WA	NPR	5318.00	354.00	4964.00	0.00	354.00	MULTI W ALLOC	10210
WILMTE FALLS LK OR NPP 846.00 846.00 0.00 0.00 846.00 8	32	MCNARY LD OR WA	NPW	12561.00	1688.00	10873.00	0.00	1688.00	MULTI W ALLOC	10920
	32	WILMTE FALLS LK OR	NPP	846.00	846.00	00.00	0.00	846.00	SINGLE PUR NAV	19960



APPENDIX I - Deep Draft Navigation Projects
Actual and Average O&M Expenditures,
Waterborne Commerce and Average Annual
Tonnages, and Annual O&M Costs per Ton of
Commerce

DEEP-DRAFT NAVIGATION PROJECTS:

ACTUAL O&M EXPENDITURES(1990-1994); WATERBORNE COMMERCE(1992-1994);AND AVERGAGE O&M COSTS (1977-1994), ACTUAL O&M EXPENDITURES(1990-1994) AND O&M COSTS PER TON (TOTAL 305)

											AVERAGE COST	AYG 0.84f					
										TONS	(\$ 5501.)	1977-198#	90 D EM	91058	\$2 G&M	##C#8	34 DEM
Sec.	WEYE	38	583	PROJECT NAME	įį	TYPE	92 TONS	89 TONS	94 TONS	1992-1984	PER TONS	(1991 3)		1 000 B DOLLARS	9681		
8	279	OAN	NAP	Absecon Inlet	2	Q	28,838.0	4,550.0	19,583.0	17,657.0	3.02998	53.500	19.500	0.000	1.400	0.200	0.000
74196	3617	NCD	NCE	Alpena Harbor	174	q	2,485,664.0	2,547,252.0	2,672,477.0	2,568,464.3	0.01750	44.960	0.000	0.000	28.790	11.700	20,510
360	4820	UPD	NPA	Anchorage Harbor	AK	a	2,539,889.0	2,470,067.0	2,559,391.0	2,523,115.7	0.63134	1,592,955	1,636.750	1,069,500	1,127.640	752400	1,451.210
73550	727	NAD	NAB	Annapolis Harbor	MD	٥	0.0	4.0	0.0	1.3	1,564,55000	2.086	20.000	8.000	0.000	6.000	0.000
20500	2133	SAD	SAJ	Arecibo Harbor	PR	a	17,717.0	15,212.0	20,760.0	17,896.3	12,94250	231.623	0.000	0.000	9.700	0.000	0.000
630	3863	NCD	NCE	Ashland Harbor	W	۵	83,821.0	101,564.0	120,241.0	101,875.3	1.85798	189,283	213.750	2,700	33.790	400.400	338.890
74464	860	SAD	SAC	Ashley River	SC	a	224,925.0	419,778.0	317,948.0	320,883.7	0.00201	0.644	0.000	0.000	0.000	0.000	0.000
050	3219	NCD	NCB	Ashtabula Harbor	НО	a	10,519,208.0	8,979,038.0	10,368,499.0	9,955,581.7	0.06875	684.425	728.510	256.300	599,350	987.700	876,690
089	2071	2071 LMD	LMN	Atchafalaya River, Morgan City-Guif	5	٥	1,799,705.0	1,607,127.0	1,969,232.0	1,792,021.3	3.02453	5,420.029	2,388,300	11,364.600	5,560.940	7,328,600	8,850,560
870	200	NAD	NAB	Baitmore Harbor and Channels	WD	٥	37,655,691.0	37,170,223.0	41,450,422.0	38,758,778.7	0.20386	7,901,505	3,982,620	14,251,400	16,687.940	6,850.100	14,654.350
910	4457	PoD	POD	Barbers Point Harbor	Ξ	٥	8,823,814.0	9,356,826.0	9,022,040.0	9,067,560.0	0.00053	4.777	0.000	0.000	0.000	1.600	84.520
1040	362	NAD	NAN	Bay Ridge Red Hook Channel	NY	q	2,976,927.0	2,853,328.0	3,069,443.0	2,966,566.0	0.61979	1,838.647	138.200	2,020,000	2,080.100	179.000	99,720
1120	2199	SAD	SAM	Bayou LaBatre	AL	a	2,429.0	1,188.0	77,794.0	27,137.0	8.18286	222.058	410.830	2,500	10.020	11.100	388.540
1210	763	SAD	SAW	Beaufort Harbor	NC	0	45,340.0	53,804.0	47,894.0	49,012.7	18.51241	907.342	178.370	77.000	16.300	5.900	85.650
21750	115	115 NED	NED	Belfast Harbor	ME	0	2,605.0	5,804.0	1,487.0	3,298.7	0.00030	0.000	0.000	0.000	0.000	0.000	0.000
74197		NCD	NCE	Belle River	×	0	0.0	0.0	0.0	0.0	0.0000	0.000	0.000	0.000	0.000	0.000	0.000
1310	4732	4732 NPD	NPS	Bellingham Harbor	WA	0	1,383,207.0	1,223,117.0	1,343,181.0	1,316,501.7	0.09948	130.964	35.930	303.400	457.770	189.000	31,250
396	145	145 NED	NED	Beverly Harbor	MA	0	13.0	13.0	10.0	120	0.08333	0.000	0.000	0.000	0.000	0.000	0.000
1110	2235	NCD	NCE	Black River (Port Huron)	₹	۵	154,014.0	158,932.0	144,644.0	152,530.0	0,33691	51,388	80,490	626.900	11.600	1.800	28.740
1660		NCD	NCB	Black Rock Channel & Tonawanda Hbr	N	۵	0.0	0.0	0.0	0.0	0.0000	0.000	0.000	0.000	0.000	0.000	0.000
1075	70	NED	NED	Black Rock Harbor	СТ	0	237,984.0	251,421.0	228,892.0	239,432.3	0.41024	98.225	0.400	0.100	0.000	0.000	0.000
73445	199	NED	NED	Block Island Harbor of Refuge	æ	Q	6,758.0	3,624.0	2,763.0	4,381.7	8.60248	37.693	48.730	45,800	0.000	193.700	92.800
80546		NPD	NPP	Bonneville Lock and Dam	OR	Q	0.0	0.0	0.0	0.0	3,711,787.12222	3,711.787	3,443.600	3,181.100	3,539,400	2,847.000	3,111.900
1960	150	NED	NED	Boston Harbor	MA	٥	17,462,293.0	18,009,392.0	17,040,291.0	17,503,992.0	0.00753	131.722	0.000	0.000	42,420	31.000	123.230
1990	2424	SWD	SWG	Brazos Island	¥	0	1,828,623.0	1,966,456.0	3,601,697.0	2,465,592.0	1.02405	2,524.880	1,961.670	1,078.000	2,571.240	70.000	2,112,330
73360	311	NED	NED	Bridgeport Harbor	ст	٥	2,710,367.0	2,690,899.0	2,824,734.0	2,742,000.0	0.00333	9.141	0.000	0.000	0.000	0.000	0.000
2080	780	780 SAD	SAS	Brunswick Harbor	Ą	۵	1,449,851.0	1,593,328.0	1,626,173.0	1,556,450.7	295112	4,593.269	2,968.120	3,564,600	2,234,590	4,013.400	3,718,940
331	110	110 NED	NED	Bucksport Harbor	ME	۵	1,354,323.0	1,157,849.0	1,231,946.0	1,248,039.3	0.00000	0.000	0.000	0.000	0.000	0.000	0.000
2140	3226	3226 NCD	NCB	Buffalo Harbor	λ	۵	1,803,346.0	1,539,197.0	1,398,970.0	1,580,504.3	243446	3,847.674	2,537.900	2,157.800	5,564.820	1,993.800	2,534,600
2250	3739	3739 NCD	NCC	Burns Waterway Harbor	<u>z</u>	۵	8,756,091.0	9,315,387.0	9,343,881.0	9,138,453.0	0.04584	418.899	62.050	160.800	272.580	846.400	819.060
41015	359	NAD	NAN	Buttermilk Channel	λ	۵	26,111,786.0	26,993,209.0	27,022,251.0	26,709,082.0	0.00629	167.897	558.010	2.900	97.910	87.100	203.360
2440	2254	OM I	CMN	Calcasieu River and Pass	5	۵	44,038,688.0	45,436,380.0	48,331,277.0	45,935,448.3	0.15982	7,341,292	3,302,360	2,297.800	5,890.210	7,402.800	5,059.970
2410	3741	NCD	NCC	Calumet Harbor and River	=	۵	11,765,474.0	13,706,133.0	18,554,346.0	14,675,317.7	0.10762	1,579.430	926,470	737.600	559.660	881,500	1,005.500
73556	711	NAD	NAB	Cambridge Harbor	Q.	_	25,585.0	3,402.0	3,528.0	10,838.3	7.15869	77,588	3.160	1.600	0.000	16,300	0.000
2520	2160	SAD	SAJ	Canaveral Harbor	FL	0	2,968,104.0	3,454,064.0	3,623,090.0	3,348,419,3	1.07592	3,602,625	3,229.000	2,197.300	3,878,660	3,086,500	3,984,100
73772	732	NAD	NAO	Cape Charles City Harbor	٧A	0	94,143.0	166,486.0	109,920.0	123,516.3	0.96256	118.892	0.000	4.300	0.000	21.600	0,000
2620	171	NED	NED	Cape Cod Canal	MA	0	11,326,249.0	12,034,986.0	10,799,173.0	11,386,802.7	0.44786	5,099.724	4,711.190	4,506.500	4,478,700	6,846.200	4,854,100
2640	843	SAD	SAW	Cape Fear River above Wilmington	SC	Q	458,229.0	373,832.0	407,398.0	413,153.0	1.91631	791.729	674.820	611.800	802.500	1,441.900	1,199.200
333	131	NED	NED	Cape Porpoise	ME	Q	0.0	0.0	0.0	0.0	0.00000	0.000	0.000	0.000	0.000	0.000	0.000
44037	3116	NCD	NCB	Cape Vincent Harbor	λ	۵	0.0	0.0	0.0	a.o	112,212,72222	112213	0.000	0.000	0.000	0.000	0.000
76018	2182	SAD	SAM	Carrabelle Harbor	교	۵	1,119.0	1,124.0	1,007.0	1,083.3		6,576	0.000	0.000	24.310	15.800	3.000
87038		SPL	SPL	Channel Islands Harbor	ð	۵	0.0	0.0	0.0	0.0	1,738,033.66444	1,738.034	74.110	2,635,100	760.460	2,203.200	976.700

DEEP-DRAFT NAVIGATION PROJECTS:

ACTUAL O&M EXPENDITURES(1990-1994); WATERBORNE COMMERCE(1992-1994); AND AVERGAGE O&M COSTS (1977-1994), AVERAGE TONNAGES (1992-1994) AND ORM COSTS PER TON (TOTAL 305)

										AVERAGE A	AVERAGE COST	AVGORA					
											(\$ 1584 f	1977-1788	M40 08	#1 C.5 M	\$2.05#	348 C 58	34 D44
Dee:	WING	38 6	983	PROJECT MANE	13	TYPE	82 TONS	88 TONS	SM TONS	1985-1984	PER TONS	(1994 \$)	1	TOOKS DOLLAR	183		
73783	829	NAD	NAO	Channel to Newport News	٧A	٥	29,635,080.0	21,938,246.0	20,250,401.0	23,941,242.3	0.01548	370,589	70.250	65.800	1,427.360	285.700	49.220
2930	2396	O.M.S	SWG	Channel to Port Bollvar	ΤX	٥	0.0	0.0	0.0	0.0	26,589,60000	26.590	0.020	51.700	0.000	0.600	0.050
2940	3401	NCD	NCE	Channels in Lake Saint Clair	M	a	58,130,654.0	56,982,243.0	63,963,464.0	59,692,120.3	0.00618	369.050	73.270	50,100	251.460	239,300	157,840
2980	773	SAD	SAC	Charleston Harbor	sc	Q	9,650,460.0	9,502,726.0	10,829,846.0	9,994,344.0	0.71342	7,130,118	5,218,460	8,213,400	6,476.250	7,805.500	7,670.090
2990	3706	NCD	NCE	Charlevolx Harbor	¥	٥	1,353,394.0	1,467,018.0	1,549,372.0	1,456,594.7	0.33033	481,157	110.510	231.000	394.740	512,300	106.940
3000	2116	SAD	SAJ	Charlotte Harbor	FL	٥	943,302.0	1,230,065.0	1,045,126.0	1,072,831.0	0.91741	984.222	261.370	261.100	272.650	2,826.800	91.250
76132	152	NED	NED	Chelsea River	WA	n	8,820,714.0	8,276,133.0	8,012,511.0	8,369,786.0	0.00981	82113	0.000	0000	0.000	0.100	0.000
74203	3621	NCD	NCE	Cheyboygan Harbor	₹	_	109,585,0	221,437.0	298,658.0	209,893.3	0.12419	26.067	0000	0.000	0.000	0.000	0.000
45009	3747	QC NCD	NCC	Chicago Harbor	-1	_	99,157.0	76,509.0	1,400.0	59,022.0	19,95126	1,177,563	1,527.450	1,661.400	1,573.400	2,597,500	2,075,120
3810	3746	NCD	NCC	Chicago River	ي	a	1,336,673.0	1,764,439.0	1,944,053.0	1,681,721.7	0.41128	691.654	1,042.750	929.300	457,510	442,900	298.930
74399	2157	SAD	SAJ	Christiansted Harbor-St Croix	IA.	a	1,045,849.0	1,201,785.0	1,543,463.0	1,263,699.0	0.00153	1.927	0.000	0.000	0.000	0.000	0.000
3430	3217 NCD	NCD	NCB	Cleveland Harbor	용	۵	13,653,652.0	14,083,014.0	15,284,407.0	14,340,357.7	0.63092	9,047.663	4,433,580	3,961.800	5,732.810	3,359,300	3,429.020
22140	274	NAD	NAP	Cold Spring Inlet	3	q	78,054.0	28,012.0	33,0320	46,366.0	5.69597	264.099	1,024,240	474.200	561.460	247.800	142.030
3630	8604	NPD	NPP	Columbia and Lower Willamette Rivers	OR	Q	50,890,016.0	50,566,312.0	50,702,993.0	50,719,773.7	0.31245	15,847.264	8,844,100	10,588,800	10,888.790	11,741,300	10,350,490
3600	8902	NPD	NPP	Columbia River at Mouth	OR	a	53,272,199.0	52,746,256.0	52,508,588.0	52,842,347.7	0.13975	7,384.712	6,183.850	6,571,100	7,761.890	5,343,400	6,397.430
3620	8691	OPD	NPP	Columbia River biwn Vancouver & the D	OR	Q	10,670,921.0	10,843,234.0	11,276,975.0	10,930,376.7	0.03698	404.242	256.750	335,300	206.930	94.400	88.960
73679	365	NAD	NAN	Coney Island Channel	NY	a	688,899.0	265,604.0	493,093.0	482,532.0	0.01491	7.193	47.340	0.000	82,000	0.000	0.000
3770	3220	3220 NCD	NCB	Conneaut Harbor	НО	Q	6,540,240.0	3,534,446.0	5,654,746.0	5,243,144.0	0.09757	511.573	71.940	323.600	386.730	1,077,500	912.650
3760	56	S6 NED	NED	Connecticut River Below Hartford	CT	Q	986,460.0	637,6320	593,960.0	739,350.7	0.88047	650.976	0.000	358.200	161.110	17.700	465,300
3840	4660	NPD	NPP	Coos Bay	OR	Q	4,458,253.0	5,412,877.0	3,743,963.0	4,538,364,3	1.03416	4,693,387	2,934,530	4,777.100	3,630,860	3,660,700	3,215,050
14340	2423	SWD	SWG	Corpus Christi Ship Channel	ΤX	0	60,833,295.0	59,635,712.0	78,124,430.0	66,197,812.3	0.07538	4,989.998	1,759.260	1,643.000	5,481.020	2,785,600	6,247.890
4270	4380	4380 SPD	SPN	Crescent City Harbor	S,	Q	19,606.0	86,716.0	0.0	35,440.7	41.03840	1,454.428	207.210	719.200	984.930	428.200	140.700
408	42		NED	Cross Rip Shoals Nantucket Sound	MA	D	56,636.0	91,725.0	62,021.0	70,127.3	0.00001	0.000	0000	0.000	0.000	0.000	0.000
87034		SPD	SPL	Dana Point Harbor	CA	0	0.0	0.0	0.0	0.0	40,386.58000	40.387	154.760	7.400	0.870	0.000	0.000
341	9	NED	NED	Deer Island Thoroughtare	ME	Q	0.0	0.0	0.0	0.0	0.00000	0.000	0.000	0.000	0.000	0.000	0.000
10064	238	NAD	NAP	Delaware Bay Harbor of Refuge	DE	D	0.0	0.0	424.0	141.3	120,46110	17.025	21.680	0.000	0.000	0.000	0.000
4550	5232	NAD	NAP	Delaware R. between Philadelphia & Tre	PA	D	5,647,680.0	5,667,423.0	5,979,023.0	5,764,708.7	0.33013	1,903.087	470.430	472.000	611.590	1,563.700	371.630
43005	551	551 NAD	NAP	Delaware River at Camden	3	0	4,854,504.0	4,663,626.0	5,668,842.0	5,062,324.0	0.02269	114.884	0.000	0.000	0.000	0.000	2,030.700
4570	5250	5250 NAD	NAP	Delaware River, Philadelphia to the Sea	DE	0	113,168,376.0	120,509,506.0	120,416,277.0	118,031,386.3	0.14406	17,003.895	82,620	14,365.000	15,403.910	17,467,300	12,637,970
4710	3301	NCD	NCE	Detroit River	₹	٥	63,133,594.0	62,662,103.0	72,027,292.0	65,940,996.3	0.14481	9,549.217	4,704.970	4,191,500	5,940.020	4,808,800	3,421,100
4900	160	NED	NED	Dorchester Bay & Neponset River	MA	٥	0.0	0.0	0.0	0.0	0.00000	0.000	0.000	0.000	0.000	0.000	0.000
72431	305	305 NED	NED	Duck Island Harbor	ст	0	0.0	0.0	0.0	0.0	0.00000	0.000	0.000	0000	0.000	0000	0.000
2050	3924	3924 NCD	NCE	Duluth-Superior Harbor	NN	Q	39,303,709.0	37,679,398.0	41,819,417.0	39,600,841.3	0.09041	3,580.171	3,965,830	3,071,500	2,823.600	0.000	2,433.800
2060	3222	NCD	NCB	Dunkirk Harbor	NY	D	0.0	20,014.0	361,428.0	127,147.3	0.73834	93.878	249.580	283.100	125.920	491.800	194.700
27030	620	NAD	NAO	Dymers Creek	٧٨	a	0.0	0.0	0.0	0.0	0.00000	0.000	0.000	0.000	0.000	0.000	0.000
41062	351	351 NAD	NAN	East River	NY	0	28,777,850.0	29,098,790.0	29,609,800.0	29,162,146.7	0.01052	306.841	58.020	810.600	60.180	0.000	159,870
411	184	NED	NED	Edgartown Harbor	MA	۵	0.0	0.0	0.0	0.0	1,222.12222	1.222	0.000	0.000	0.000	0.000	0.000
79205	4708	OAN :	NPS	Ediz Hook/Port Angeles Harbor	WA	Q	2,335,665.0	1,987,346.0	1,695,048.0	2,006,019.7	0.04766	95.612	2.870	330,900	5.200	2.800	0.160
2600	3221	ş	NCB	Erle Harbor	ď	٥	1,247,049.0	1,160,144.0	978,776.0	1,128,656.3	0.69154	780.507	288.270	77.800	94.680	459,800	76.220
2200	4725	4725 NPD	NPS	Everett Harbor and Snohomish River	WA	0	6,010,423.0	4,714,275.0	4,191,656.0	4,972,118.0	0.13858	689.011	486.810	815.900	926.400	714.000	1,002,980
5760	3218	3218 NCD	NCB	Fairport Harbor	푱	٥	2,612,642.0	2,402,986.0	2,954,667.0	2,656,765.0	0.25759	684.361	137,960	999,700	805.990	75,300	803.250
9410	189	189 NED	NED	Fall River Harbor	¥	Q	3,530,233.0	3,457,920.0	4,178,036.0	3,722,063.0	0.01402	52.177	0.000	0.000	0.000	0.000	0.000

ACTUAL O&M EXPENDITURES(1990-1994); WATERBORNE COMMERCE(1992-1994);AND AVERGAGE O&M COSTS (1977-1994),
AVERAGE TONNAGES (1992-1994) AND O&M COSTS PER TON (TOTAL 305) DEEP-DRAFT NAVIGATION PROJECTS:

													,				
											AVERAGE COST	AVG 024#					
S#A	WTW	386	额	PROJECT NAME	#	TYPE	92 TONS	88 7.045	S#CT #S	10 01-0001	PER TONS	1981-1981-1	90.04M	TO SEE	#2 0 £4	NEC 15	94 O 84 A
5840	784	SAD	S.A.I	Fernandina Harbor	ũ	٥		L	0 000 100	2000			-				
41016	354	NAD	NAN	Fliebling Bay Crook	2 3	٠	379,230,0		587,8020	485,606.0	3.88519	1,925,524	548,010	978.500	1,228.340	1,711,100	1,768.670
6260	2161	945	140	Fort Blown Liston		ء اد	0.907,904,0		1,832,094,0	1,8/1,552/	0.21119	395.256	103.680	00000	1,984,970	15.000	0.000
6130	3718	NC.	NO.	Front resident darbor	١.	١,	127,029.0		189,151.0	172,225.0	2.10051	361.761	651.870	98.500	159.140	1,087.400	890,300
6170	3400	O IVI	9	TO THE PARTY OF TH	ž į		11,204.0		60,989.0	80,454.7	6,83343	549,781	175.800	203.500	352 120	465.200	1,251.630
0100	2408		5 AN	Preeport Harbor	×		14,952,599.0	14,024,604.0	17,450,109.0	15,475,770.7	0.18531	2,867.748	44,540	301,300	958.030	4,430.700	2,347.940
243/0			S E	Friday Harbor	¥.		0.0		0.0	0.0	4,162.83333	4,163	14.750	0.000	32,600	12800	3.800
9			SWG	Galveston Harbor	ř	٥	12,317,599.0	9,755,324.0	10,256,921.0	10,776,614.7	0.38899	4,192.003	3,130,580	3,933,200	270.880	4,659.600	3,170,290
荔	121	NED	NED	Georges River	WE	٥	0.0	0.0	0.0	0.0	0.0000	0000	0.000	0.000	0.000	0.000	0.000
6480 880	772	SAD	SAC	Georgetown Harbor	ပ္တ	٥	955,206.0	1,112,801.0	706,228.0	924,745.0	3.26022	3,014.871	3,087,350	1,986.800	2,259,120	3,338,400	3,241,440
416	£	NED	NED	Gioucester Harbor & Annisquam River	≨	۵	103,575.0	77,566.0	56,512.0	79,217.7	1.42304	112730	0000	0000	0.000	0.000	0.000
41023	360	NAD	NAN	Gowanus Creek Channel	≥	۵	2,174,526.0	2,302,852.0	2,489,567.0	2,322,315.0	0.00332	7.700	58.710	80.000	0.000	0000	0.000
0299	3728	NCD	NCE	Grand Haven Harbor	₹	۵	870,705.0	1,004,162.0	878,412.0	917,759.7	1.43258	1,314.760	547.850	687,300	1,078.270	1,262,300	910.690
99871	3931	NCD	NCE	Grand Marais Harbor	WN	۵	0.0	0.0	0.0	0.0	59,769.88556	59.770	0.000	0.000	187.840	0,300	101.390
46064	3842	NCD	NCE	Grand Marais Harbor	Ξ	0	0.0	0.0	0.0	0.0	190,513,23111	190,513	175.020	663.300	1.000	0.000	0.940
9229	4702		NPS	Grays Harbor	¥,	۵	6,952,634.0	4,382,558.0	1,654,408.0	4,329,866.7	1,23900	5,364,688	3,045.370	5,092,700	7,802,000	5,356,100	9,945,040
74160	3802	NCD	NCE	Grays Reef Passage	₹	Δ	8,826,174.0	8,892,125.0	9,763,060.0	9,160,453.0	0.0000	0000	0.000	0.000	0.000	0.000	0.000
529	300	NED	NED	Great Salt Pond, Block Island	æ	۵	0.0	0.0	6,212.0	2,070.7	0.41803	0.866	0.000	0.200	0.000	0.000	0.000
0989	3108 NCD	NCD	NCB	Great Sodus Bay Harbor	≥	۵	0.0	0.0	0.0	0.0	13,163,94667	13.164	0.000	79.600	35.400	0.000	0.000
6910	3778	SCD	NCE	Green Bay Harbor	≨	۵	2,430,677.0	2,586,853.0	2,288,056.0	2,435,195,3	0.97697	2,379,104	1,153,570	2,021,500	1,708.310	3,456,000	2,515,500
7150	2083	SAD	SAM	Guffport Harbor	WS		1,248,561.0	1,420,446.0	1,842,149.0	1,503,718.7	1.33507	2,007,570	1,828.230	1,823,500	2,801.510	3,528,000	1,414.050
90208	4864	NPD	NPA	Haines Harbor	¥	۵	405,225.0	455,680.0	298,527.0	386,477.3	0.00900	3.480	0.000	0.00	0.000	0,000	0.000
7300	3602	QCD	NCE	Harbor Beach Harbor	ž	۵	0.0	85,926.0	88,110.0	58,012.0	12,67532	735,321	2,300.100	293,300	2,355.760	397.100	29.560
73694	328	NAD	NAN	Harlem River	ž	٥	140,183.0	20,172.0	1,1820	53,845.7	0.01270	0.684	12.190	0.500	0000	0000	0.000
7550	8	8	90	Hilo Harbor	Ξ	٥	1,587,795.0		1,455,485.0	1,503,972.7	0.11383	171.193	407.970	0.600	0.000	0.000	0.000
7610	3730	NCD	NCE	Holland Harbor	₹	٥	315,555.0	316,563.0	391,214.0	341,110.7	4,40079	1,501.158	971,390	1,513,200	921.420	574,800	515.980
80208	484	NP0	NPA	Homer Harbor	ΑK	۵	286,946.0	472,315.0	376,760.0	378,673.7	0.72118	273.091	338,380	221.100	239.830	187.700	182,620
1,660	4450	900	90	*	Ξ	٥	11,521,923.0	10,594,734.0	11,672,245.0	11,262,967.3	0.01289	145.191	470.860	0.000	394.910	30,400	289.630
76001	4813	g B	NPA		¥	٥	575,193.0	252,634.0	377,012.0	401,613.0	0.00000	0.000	0.000	0.000	0.000	0.000	0.000
1760		S S	š	Houma Navigation Canal	4	۵	1,174,648.0	792,804.0	524,204.0	830,552.0	1.74771	1,451,561	297,500	3,155.700	185,230	1,083.700	1,007,390
241	2	NED	NED		5	۵	179,049.0	70,460.0	52,005.0	100,504.7	0.21421	21,529	0.000	0.000	0.000	0.000	0.000
7780	2012	QMS	SWG		ř	ے	137,663,612.0	141,476,979.0	143,662,625.0	140,934,405.3	0.04184	5,897.214	9,047.820	6,457.000	2,311,820	9,856.600	3,990.090
008/	SSS NAD	Т	NAN	Hudson River Channel	ž	ے	16,615,793.0	17,306,325.0	16,346,227.0	16,756,115.0	0.03635	609,163	44.940	640,100	2,799.530	2,741,400	4,948.820
018/		Т	NAN	ork City to Waterfo			0.0	0.0	0.0	0.0	2,841,38301	2,841,383	2,392,670	2,545,000	3,922,490	2,050,900	1,371,340
098/	4375	Т	SPN	rbor	ð		1,311,040.0	994,357.0	1,407,374.0	1,237,590,3	2.56540	3,174.912	3,287.440	2,973.800	2,917.780	2,720,500	3,108,880
74943	4942	OAN	V N N	bor	ΑK	_	17,266.0	8,131.0	3,965.0	9,787,3	1.81306	17.745	0.000	0.000	0.000	56.500	224.000
7920	3214 h	SCD	NCB		동	۵	617,807.0	529,403.0	870,856.0	672,688.7	0.89743	603.693	802,900	92.100	1,059,590	2300	1,055,490
72796		Т	NPA		ΑK	۵	0.0	0.0	0.0	0.0	1,035.05000	1.035	0.000	0.000	0.000	0.000	0.000
18120	3738	Т	ည	Indiana Harbor	z	ے	15,325,931.0	15,546,403.0	16,144,862.0	15,672,398.7	0.03037	475.948	299.860	334.800	383.600	305,200	357.930
8160	248	Т	NAP	R. to Chesapeake Ba	ם	ے	13,529,305.0	14,532,953.0	13,633,586.0	13,898,614.7	0.97581	13,562,407	52,530	20,573,100	22,526.450	9,724,900	11,841,500
52	2017 8	Т	SAJ	Harbor	교	۵	17,208,707.0	18,905,304.0	18,910,150.0	18,341,387.0	0.19217	3,524.604	4,173,560	1,457,300	290.780	4,803.300	2,888.510
24000	367 N	Т	NAN		≱	٥	1,024,9720	600,614.0	780,687.0	802,091.0	0.81786	655,995	47.210	2,390.100	1,485.000	115.000	1,500,490
8430	5500 NAD	٦	NAO	James River	٨		7,373,255.0	6,851,084.0	5,387,497.0	6,537,278.7	0.25846	1,689.634	1,249.130	1,715.800	1,705,520	921.900	3,113,530

DEEP-DRAFT NAVIGATION PROJECTS:

ACTUAL ORM EXPENDITURES(1990-1994); WATERBORNE COMMERCE(1992-1994); AND AVERGAGE ORM COSTS (1977-1994), AVERAGE TONNAGES (1992-1994) AND ORM COSTS PER TON (TOTAL 305)

						•											
											AYERKGE COST	AVG DAM					
										TOHS	(F 50 1)	1977-1294	PERM	#102H	17 05.54	MICE	a car
5	HETHE	486	563	2RO低红 BAM E	15	TARE	92 TONS	<u>88 TONS</u>	SE TONS	1968-1964	PER TONS	(1994 3)		TOUR DOLLAR	181		
0998	4410	POD	PoD	Kahulul Harbor	H	a	2,357,171.0	2215,754.0	2,368,065.0	2,313,663.3	0.15091	349.159	537.210	0.000	0.000	0.000	0.000
73019	4415	POD	QOd	Kaunakakal Harbor	Ξ	a	242,224.0	201,823.0	189,454.0	211,167.0	0.00258	0.545	0.000	0.000	0.000	0.000	0.000
066	4405	PoD	GOA	Kawaihae Harbor	Ξ	٥	789,548.0	655,326.0	735,577.0	726,817.0	0.00718	5.217	0.000	0.000	0.000	0.000	0.000
87153		NPD	NPS	Kenmore Navigation Channel	WA	٥	0.0	0.0	0.0	0.0	35,969.31889	35.969	5.800	7.000	14.580	0.900	0.000
8890	16	MED	MED	Kennebec River	ME	0	5,284.0	2,560.0	5,307.0	4,383.7	34,35493	150.601	942.310	115.600	451.640	0.200	0.000
8910	3753	UCD I	NCE	Kenosha Harbor	W	a	3.0	1.0	18.0	7.3	45,082,59242	330.606	022.669	934.300	31,460	0.300	0.250
72798		NPD	WPA	Ketchikan Harbor	AK	a	0.0	0.0	0.0	0.0	16,497,63778	16.498	0.000	0.000	0.000	0.000	164.710
76050	3762	NCD	NCE	Kewaunee Harbor	IM	٩	80,100.0	0.0	0.0	26,700.0	20,52260	547,953	251.080	199.800	000:659	157,300	138.040
8960	3850	NCD	NCE	Keweenaw Waterway	≅	۵	91,442.0	33,579.0	12,474.0	45,831.7	26.73818	1,225,455	2,285,290	686.400	556.970	922 000	1,240.740
8970	2111	SAD	SAJ	Key West Harbor	73	Q	10,411.0	64,820.0	29,784.0	35,005.0	0.24719	8.653	0.000	0.000	0.000	0.000	0.000
72714	4944	NPD	NPA	King Cove Harbor	AK	0	7,645.0	11,031.0	6,676.0	8,450.7	4.17364	35.270	0.000	0,000	0.000	0.000	0.000
72753	4934 NPD		NPA	Kodiak Harbor	ΑK	٥	490,383.0	525,277.0	568,916.0	528,192.0	0.00271	1.432	0.000	0000	0.000	0.000	0.000
72920	8419	NPD	NPS	Lake Crockett (Keystone) Harbor	WA	0	0.0	0.0	0.0	0.0	27,021.88889	27.022	5.800	14.400	24.250	212,900	8.850
9400	4724	OdN	SdN	Lake Washington Ship Canal	WA	Q	1,613,607.0	1,918,899.0	1,364,789.0	1,632,431.7	291757	4,762,729	4,398.160	7,046.980	5,857.600	4,829,300	5,139,500
74158	3797	NCD	NCE	Little Bay De Noc, Gladstone Harbor & K	M	0	176,908.0	180,395.0	265,134.0	207,479.0	0.00000	0.000	0.000	0.000	0.000	0.000	0.000
73780	655	NAD	NAO	Little River (Greek)	٨A	1 0	132,443.0	57,981.0	37,899.0	76,107.7	0.00001	0.000	0.000	0000	0.000	0.000	0.000
0266	3110 NCD		NCB	Little Sodus Bay Harbor	ž	٥	0.0	0.0	0.0	0.0	73,645,80444	73.646	19.730	203.400	11.860	30.200	142,900
10060	3216	NCD	NCB	Lorain Harbor	퓽	_	13,282,176.0	13,676,686.0	14,748,165.0	13,902,342.3	0.12856	1,787.289	624.130	1,433,300	1,487.180	1,097.000	1,298.320
74719	4110 SPD		TdS	Los Angeles and Long Beach Harbors	Ϋ́	٥	92,152,317.0	97,943,739.0	99,661,799.0	96,585,951.7	0.01254	1,211.670	243,490	1,662,200	479.760	647.000	476,570
10270	3722	NCD	NCE	Ludington Harbor	IW	a	846,150.0	966,416.0	1,093,469.0	968,678.3	0.67573	654,565	569.840	832600	172,590	720.700	2,090,120
73404	148	148 NED	NED	Lynn Harbor	MA	٥	85.0	0.0	0.0	28.3	0.03529	0.000	0.000	0.000	0.000	0.000	0.000
10166	2023 SAD		SAJ	Manatee Harbor	14	Q	0.0	0.0	0.0	0.0	0.00000	0.000	0.000	0,000	0.000	0.000	0.000
10480	3720	NCD	NCE	Manistee Harbor	Ē	٥	455,656.0	424,713.0	483,031.0	454,466.7	0.97104	441.303	1.430	282.700	699,320	559,300	1,090.600
10490	3799	NCD	NCE	Manistique Harbor	Ē	۵	920.0	22,460.0	1,091.0	8,157.0	6.74645	55.031	59.310	65.900	23.070	18.000	2.000
10510	3760	NCD	NCE	Manitowoc Harbor	M	۵	274,063.0	299,792.0	330,317.0	301,390.7	1.23605	372534	197.760	640,500	292.450	224,500	563,130
73883	261	NAD	NAP	Mantua Creek	3	Q	116,283.0	104,693.0	85,667.0	102,214.3	0.00001	0.000	0000	0.000	0.000	0.000	0.000
4430			SPL	Marina Del Rey	CA	۵	0.0	0.0	0.0	0.0	293,732,40556	293.732	205.940	818.800	143,390	940,400	642.760
48013	3844	NCD	NCE	Marquette Harbor	×	0	454,037.0	789,146.0	822,469.0	688,550.7	0.13393	92.217	194.110	13,800	393.520	7.100	0.800
10810	2410	SWD	SWG	Matagorda Ship Channei	¥	٥	5,389,932.0	5,892,656.0	7,379,628.0	6,220,738.7	0.43924	2,732,418	1,040.130	489.100	2,393.060	1,419.600	4,707.480
22280	2154	SAD	SAJ	Mayaguez Harbor	监	۵	366,092.0	478,000.0	433,572.0	425,888.0	0.10130	43.144	0.000	0.000	8.700	0.000	0.000
45044	3793	NCD	NCE	Menominee harbor	≅	۵	129,777.0	161,620.0	216,810.0	169,402.3	0.71483	121.094	110.090	237.900	126.920	21.600	135,540
11030	2055	UMD	LMN	Mermentau River	4	٥	724,866.0	760,359.0	673,000.0	719,408.3	0.87528	629.682	1,329.170	3,794.600	1,192,300	1,091,400	1,286.840
76002	4832	NPD	NPA	Metakata Harbor	ΑK	0	553,568.0	683,180.0	560,034.0	598,927.3	0.01619	9.699	0.000	0.000	0.000	0.000	0.000
10140	2164	SAD	SAJ	Mlami Harbor	교	D	6,451,331.0	6,695,979.0	6,514,924.0	6,554,078.0	0.00272	17.816	0.000	0.000	0.000	211.800	127,320
11060	3735	NCD	NCC	Michigan City Harbor	Z	0	0.0	0.0	0.0	0.0	502,063.11333	502.063	847,320	623.200	1,481.170	779.800	784.220
11270	3756	NCD	NCE	Milwaukee Harbor	I.A.	٥	2,153,481.0	2,495,767.0	2,641,109.0	2,430,119.0	0.86314	2,097,530	889,180	1,251,000	628.120	1,657.600	788.700
11410	2060	2060 LMD	LMN	Mississippi River - Guif Outlet	4	D	5,935,384.0	7,160,081.0	5,586,195.0	6,227,220.0	1.39763	8,703.324	6,438,800	9,416.800	11,720.480	12,780.600	12,025.900
88	2252	UMD	CMN	Mississippi River, Baton Rouge to Gulf	4	۵	84,699,463.0	85,078,863.0	86,245,856.0	85,341,394.0	0.48896	41,728.294	37,961.240	47,727.900	36,816.940	49,820.000	60,839,500
11670	2005	SAD	SAM	Mobile Harbor	ΑĽ	٥	40,482,387.0	43,959,704.0	44,996,849.0	43,146,313,3	0.21649	9,340.697	10,813.900	21,686,700	20,425,300	9,668.600	15,986.630
11760	3202	NCD	NCE	Monroe Harbor	M	0	1,778,312.0	1,077,717.0	2,034,815.0	1,630,281.3	214881	3,503,169	1,060,590	67.200	1,171.900	176,700	799,880
11810	764	SAD	SAW	Morehead City Harbor	SC	٥	4,440,022.0	3,998,505.0	4,183,055.0	4,207,194.0	0.70282	2,956,896	1,137.630	1,040.000	1,971.000	3,362,100	5,555,170
11860	4138	4138 SPD	SPL	Morro Bay Harbor	8	۵	0.0	0.0	0.0	0.0	904,504,98667	904,505	129.720	2,385.900	757.970	283,100	2,157.040
11860	4138	SPD	SPL	Morro Bay Harbor	8		0.0		9.0		0.0	0.0	0.0 904,504,98667	0.0 0.0,504.98667 904.505	0.0 0.0 904,504,98667 904,505 129,720	0.0 0.0 904,504,88667 904,505 123,720 2,385,900	0.0 0.0 904.504.88667 904.505 129.720 2,385.900 757.970

DEEP-DRAFT NAVIGATION PROJECTS:

ACTUAL O&M EXPENDITURES(1990-1994); WATERBORNE COMMERCE(1992-1994);AND AVERGAGE O&M COSTS (1977-1994),
AVERAGE TONNAGES (1992-1994) AND O&M COSTS PER TON (TOTAL 305)

	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		Moss Landing Harbor CAMABLE SET MASSE Landing Harbor OR Multipomals Channel OR Multipomals Channel OR Mystic River CAMABLE River CAMABLE River Harbor Of Reruge MADALICKEL Harbor Of Reruge MADALICKEL Harbor OF Reruge MADALICKEL Harbor CAMABLE River Harbor CAMABLE CAMABL CAMABLE CAMABLE CAMABLE CAMABLE CAMABLE CAMABLE CAMABLE CAMABLE	E C C MA H CA MA C MA MA CA CA	17.88 E	\$2.10018 5,674.0 1,405,386.0	89 TONS 0.00 1,570,081,0	SATIONE 0.0		Average cost (1884-5) Per Tons	AVG 0846 1977-1994 (1994 \$) 234.772	BOLD BANK	STOCK DOLLAR	12:058# 183 0.120	940 19	Brind in
6					T.P.E.	5,674.0 1,405,386.0	98 TONS 0.0 1,570,081,0	0.0	TONS 1982-1964 1,891.3	1164 St. PER TONS	1977-1594 (1994-3) 224.772	90 DAM	THE POLITY	12 C&B 583 0.120	SE OLA	94 DAM
20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					، ۵ ۵ ۵	5,674.0 1,405,386.0	0.0	0.0	1,891.3	PER IONS	234.772		(1.0668.DOLLAR	0.120		
	130 SPD 140 NPD 150 NP	SPN NAN NAN NAN NAN NAN NAN NAN NAN NAN N			، ۵ ۵ ۵	5,674.0	0.0	0.0	1,891,3		234.772			0.120		
<u> </u>	NPD	NOE NED NED NED NED NED NED NED NED NED NE			000	1,405,386.0	1,570,081,0			124.13068		526.340	0.900		617.000	58.000
<u> </u>	12 12 13 14 15 15 15 15 15 15 15	NCE NED NED NED NED NED NED NED NED NED NE			٥		1	1,359,554.0	1,445,007.0	0.00000	0.000	0.000	0.000	0.000	0.000	0.000
<u> </u>	12 12 13 14 15 15 15 15 15 15 15	NED				1,562,478.0	1,635,470.0	2,004,423.0	1,734,123.7	0.34190	592,900	218.410	824.600	124.110	252.400	1,142,010
<u> </u>	N N N N N N N N N N N N N N N N N N N	NED			n	5,068,831.0	5,580,793.0	4,537,983.0	5,062,535.7	0.00632	31.980	0.090	0,100	0.000	0.000	0.000
	N N N N N N N N N N	SPN SPN SPN NED NED NED NED NED NED NED NED NED NE			٥	0.0	0.0	0.0	0.0	0.00000	0.000	0.000	0.000	0.000	0.000	0.000
	S S S S S S S S S S	SPN NED NED NED NED NED NED NED NED NED NE			٥	168,039.0	213,819.0	63,472.0	148,443.3	0.23730	35.225	0.000	318.000	0.000	0.000	0000
<u> </u>	17 NED 17	POD NED NED NAN NAN NAN NAN NAN NAN NAN NAN SPL SPN			۵	85,605.0	78,687.0	80,003.0	81,431.7	281253	229.029	31.820	0.000	0.000	0.000	360,710
	17 NED 17 NED 18 NED 18 NAD 18	NED NED NED NED NAN NAN NAN NAN NAN NAN SPL SPN			D	1,143,475.0	1,283,438.0	1,150,924.0	1,192,6123	0.54393	648.697	889,280	0000	0.000	0.000	0.000
	77 NED N NED N NED N NED N NED N NED N NAD N N NAD N N	NED NAN NAN NAN NAN NAN NAN NAN NAN NAN NA			٥	483,739.0	502,756.0	601,302.0	529,265.7	0.00000	0.000	0.000	0.000	0.000	0.000	0.000
	N NED N NED N NED N NAD N NA N NA	NAN NAN NAN NAN NAN SPL SPL SPL SPL			٥	8,429,527.0	8,739,760.0	9,470,882.0	8,880,056.3	0.07651	679,389	1,450	5.000	0.000	210.900	2,322,840
	38 NAD 38 NAD 32 SPD 32 SPD 32 SPD 33 SPD 34 SPD 35 SPD 36 SPD 37 SPD 38 NAD 38 NAD 38 NAD 38 NAD 38 NAD 38 NAD	NAN			۵	1,765,120.0	1,793,328.0	1,674,600.0	1,744,349.3	0.06066	105.810	0.000	0.000	0.000	0.000	0000
	38 NAD 32 SPD 32 SPD 33 NAD 345 SPD 36 NAD 37 SPD 38 NAD 38 NAD 38 NAD 38 NAD 38 NAD 38 NAD	NAN SPL NAN SPL SPL SPL SPL SPL SPL			٥	80,177,081.0	83,896,987.0	91,558,915.0	85,210,994.3	0.02347	1,999.634	2,027.020	2,777.700	1,033,200	442,900	8.880
	12 NAD 12 SPD 13 SPD 14 SPD 15 SPD 15 SPD 16	NAN NAN SPL NAN SPL SPL SPL SPL		Ν	٥	115,310,756.0	116,735,760.0	126,100,614.0	119,382,376.7	0.08289	9,895,273	8,599,700	9,420.800	8,856.780	11,306.000	9,869,960
	12 SPD NAD 45 SPD	SPL SPL			٥	22,803,556.0	22,585,751.0	24,124,009.0	23,171,105.3	0.04517	1,069.719	41.080	90.000	118.000	516,000	0.000
	NAD SS NAD SPD SPD NCD NCD NCD	NAO SPI	\neg	CA	٥	18,044.0	0.0	0.0	6,014.7	6.13681	36.911	0.000	0,000	162,200	32,100	0000
	NAD 45 SPD 90 NCD POD NCD	SPN		ΝŇ	0	1,283,351.0	1,552,751.0	1,482,699.0	1,439,600.3	0.01066	15,349	0.000	70.000	0.000	0.000	0000
	SPD SPD NCD NCD NCD NCD	SPL		٧٨	D	54,617,219.0	46,801,769.0	46,815,306.0	49,411,431,3	0.12109	5,983.477	2,707.620	7,298.900	4,005.890	7,592,300	7,088.080
	SPD NCD NCD NCD NCD	SPL	1	Ϋ́	۵	13,211,391.0	12,733,691.0	12,914,086.0	12,953,056.0	0.12806	1,658.804	2,369.730	1,529.700	1,420.680	1,642,900	2,089,300
	N POD NCD		\neg	ð	۵	0.0	0.0	0.0	0.0	1,692,717.12111	1,692,717	590.620	2,828.200	2,273,510	1,223.800	2,001,350
		SG	\neg	\neg		0.000,69	0.0	0.0	23,000.0	221236	50.884	0000	22,200	282,600	583,800	60.900
	DB NCD	<u>8</u>	\neg	П		0.0	0.0	0.0	0.0	225,023.13222	225.023	17.560	45.400	71.900	673.300	2,637,690
	-	ջ		ž	_	117,783.0	159,346.0	43,229.0	106,786.0	0.51389	54.876	0.000	0.000	0.000	0.000	0.000
Ш		S S	7	Ī	_	714,406.0	923,637.0	1,514,000.0	1,050,681.0	0.03197	33.595	34,900	51.200	87.280	0.000	3.940
	3860 NCD	N N	\neg	┪	_	243,856.0	359,874.0	393,000.0	332,243.3	259138	860.970	810,600	633.700	2,100.710	1,846,500	2,246.030
	4634 NPD	d N	7	7	Δ	2,793,654.0	3,089,272.0	3,729,779.0	3,204,235.0	0.0000	0.000	0.000	0.000	0.000	0.000	0.000
	3112 NCD	S S	ヿ	П	۵	581,500.0	506,107.0	473,979.0	520,528.7	0.44634	232.334	327.880	562.200	54,390	175.800	25.500
	2162 SAD	ď	\neg	2	۵	2,646,147.0	2,816,282.0	2,882,844.0	2,781,757.7	0.30294	842.698	976.090	204.200	1,016.980	417,300	2,030,100
13640 20	2016 SAD	SAM	Panama City Harbor	교	۵	2,734,001.0	2,585,532.0	2,502,984.0	2,607,505.7	0.15204	396.454	60.230	558,100	97.890	70.800	314.010
×	2004 SAD	SAM	╗	WS	۵	29,253,298.0	27,020,433.0	30,048,859.0	28,774,196.7	0.10431	3,001,499	4,075.170	1,716.900	3,152,530	3,405,800	2,166,320
		밀	╛	\Box		1,774,321.0	1,601,728.0	1,652,699.0	1,676,249,3	0,00743	12,454	0.000	0.000	0.000	0.000	0.000
	2007 SAD	SAM	╛	\neg	_	1,689,753.0	1,650,164.0	1,465,965.0	1,601,960.7	0.24950	399.687	48.500	24.200	72.240	11.200	2750
	3723 NCD	Š	Pentwater Harbor	₹		0.0	0.0	0.0	0.0	245,298.87444	245,299	110.450	149.300	157.520	108.400	293.860
	4806 NPD	A M	T	┑	۵	67,624.0	48,536.0	54,566.0	56,908.7	0.02776	1,580	0.000	0.000	0.000	0.000	0.000
	170 NED	밀	╗	¥.	۵	37,9820	1,957.0	2,403.0	14,114.0	1.67641	23.661	8.270	0000	0.000	0.000	0.000
72611	198 NED	밀	コ	æ	D	36,810.0	31,349.0	6,861.0	25,006.7	12,44888	311,305	34.880	1,300	0.000	2800	19.200
	181 NED	ē	Pollock Rip Shoals	¥	٥	0'0	1,444.0	1,451.0	965.0	0.00104	0.000	0000	0.000	0.000	0.000	0.000
	2151 SAD	SA.	Ponce Harbor	æ	۵	829,102.0	595,159.0	677,928.0	700,729.7	0.03233	22.654	0.000	0.000	1,400	0.000	0.000
	4836 NPD	NPA	コ	AK	۵	0.0	0.0	0.0	0.0	0.00000	0.000	0.000	0.000	0.000	0.000	0.000
	4425 POD	윤		\neg	۵	11,443.0	12,471.0	950.0	8,288.0	15.73868	130.442	42880	253.700	42.880	131.700	1,006.610
	ZHG3 SAD	SAJ		\neg	0	14,507,888.0	16,297,269.0	18,135,257.0	16,313,471.3	0.00421	68.735	0.010	0.000	0.000	0.000	44.630
	4714 NPD	Z PS	٦		٥	452,766.0	273,079.0	250,870.0	325,571.7	0.00000	0.000	0.000	0.000	0.000	0.000	0.000
74656 41	4150 SPD	쭚	Port Hueneme	8	۵	474, 190.0	695,864.0	813,983.0	661,349.0	0.19185	126.877	69.920	856.200	2470	0.400	0.000

DEEP-DRAFT NAVIGATION PROJECTS:

ACTUAL O&M EXPENDITURES(1990-1994); WATERBORNE COMMERCE(1992-1994); AND AVERGAGE O&M COSTS (1977-1994), ACTUAL O&M EXPENDITURES(1990-1994) AND O&M COSTS PER TON (TOTAL 305)

										. 8			,			000000000000000000000000000000000000000	
										AVERAGE A	Average cost	AVGOZAR					
										TONE	¥ 581	1977-199 4	N7000	\$102M	\$2 C&M	Prio Se	# OF #
) M	ACTAC:	À	100	PROJECT NAME	13	TYPE	92 TONE	88 TONS	SA TONS	1995-1984	PER TONS	(1991 1)		(1,000'S DOLLARS	123		
73749	522	NAD	NAN	Port Jefferson Harbor	NY D	D	2,354,417.0	2,432,565.0	2,100,897.0	2,295,959.7	0.00000	0.000	0.000	0.000	0.000	0.000	0.000
73933		NCD	NCB	Port Ontarlo Harbor	NY D	0	0.0	0.0	0.0	0.0	0.00000	0.000	0.000	0.000	0.000	0.000	0.000
14370	4688	NPD	MPP	Port Orford	a Bo	٥	1,630.0	1,336.0	1,343.0	1,436.3	194.12636	278.830	227.330	235.400	281.760	397.700	265,570
14380	774	SAD	SAC	Port Royal Harbor	a os	٥	56,160.0	89,028.0	44,059.0	63,082,3	9.71605	612911	1,671.840	278.000	1,632.270	56.100	723.530
14390	2185	SAD	SAM	Port St Joe Harbor	FL	٥	42,779.0	74,7820	124,246.0	80,602.3	1.54771	124.749	11.010	0.000	0.000	5.000	0.000
14420	3758	NCD	NCE	Port Washington Harbor	a w	Q	120,048.0	84,254.0	334,574.0	179,625.3	0.78534	141.067	51.200	3.700	207.210	12,400	60.100
74190	3921	NCD	NCE	Port Wing Harbor	D IM	D	0.0	0.0	0.0	0.0	31,708.59222	31.709	40.050	58.200	6,130	120.100	14.900
21530	3719 NCD	NCD	NCE	Portage Lake Harbor	O IW	0	0.0	0.0	0.0	0.0	83,067.08667	83.067	140.130	0.000	0.000	89,400	156.600
367	128	NED	NED	Portland Harbor	ME D	٥	12,511,340.0	11,171,097.0	14,245,338.0	12,642,591.7	0.02129	269.149	0.000	12,000	0.000	0.000	0.000
512	135	NED	NED	Portsmouth Harbor	NH I	0	3,738,039.0	3,691,845.0	3,479,010.0	3,636,298.0	0.03106	112,926	0.000	0.000	114.500	2400	0.000
265	718	NAD	NAB	Potomac River at Alexandria	VA	D	99,816.0	71,310.0	55,180.0	75,435,3	0.40487	30,541	0.000	171,300	286.190	13.200	89.080
594	452	NAD	NAB	Potomac River Below Washington	QW	Q	3,421,759.0	2,724,953.0	3,246,691.0	3,131,134,3	0,04099	128.341	68.560	48.000	54.430	858.800	806.000
48012	3845 NCD	NCD	NCE	Presque Isle Harbor	IW.	Q	10,736,948.0	9,671,979.0	10,191,125.0	10,200,017.3	0.00672	68,593	4.220	77.000	120.850	299,900	24.010
266	191	NED	NED	Providence River and Harbor	RI	0	6,184,665.0	6,557,780.0	6,566,624.0	6,436,356.3	0.00253	16,277	19,130	006'9	0.000	0000	0000
13970	4701	NPD	NPS	Puget Sound and its Tributary Waters	WA	0	0.0	0.0	0.0	0.0	827,699.68111	827.700	580,990	0.000	0.000	915,400	915,660
14860	387	NAD	NAN	Raritan River	3 3	D	2,519,565.0	2,032,530.0	2,274,260.0	2,275,451.7	0.16122	366.855	1,065,580	875.100	112,980	119.600	74.830
15100	4340	SPD	SPN	Redwood City Harbor	CA	D	815,856.0	1,829,286.0	845,919.0	1,163,687.0	0.61472	715.342	2,685.140	46.200	809,500	1,905.200	19.600
15280	4350	SPD	SPN	Richmond Harbor	CA	Q	21,042,244.0	24,570,112.0	24,093,993.0	23,235,449.7	0,07102	1,650.280	1,167.040	2,193,500	2,241.780	2,090.000	1,961.300
15390	3106	NCD	NCB	Rochester Harbor	NY	0	504,654.0	108,457.0	132,793.0	248,634.7	4.30564	1,070,532	1,018.150	923.700	678.610	296.800	213,300
373	118	NED	NED	Rockland Harbor	ME	O O	15,556.0	465.0	7,016.0	7,679.0	0.00013	0.000	0000	0.000	0.000	0.000	0.000
438	142	NED	NED	Rockport Harbor	MA	D	10.0	11.0	8.0	5.7	3,202,88529	30.961	0.060	0.600	0.000	0.000	0.000
375	117	NED	NED	Rockport Harbor	J JW	D	0.0	0.0	0.0	0.0	0.00000	0.000	0.000	0.000	0.000	0.000	0.000
232	4162	Рор	Pod	Rota Harbor	CNMI	۵	0.0	0.0	0.0	0.0	23,320,08667	23.320	334.930	16.100	0.000	0.000	0.000
15590	3315	3315 NCD	NCE	Rouge River	ž	D	7,191,998.0	7,071,595.0	8,568,506.0	7,610,699.7	0,26843	2,042,920	143.630	868.100	175.860	674.900	196.120
15780	2069	SWD	SWG	Sabine-Neches Waterway	Ϋ́	٥	88,347,688.0	95,191,063.0	99,674,923.0	94,404,558.0	0.08575	8,094.841	3,701.950	14,305.200	5,893,590	3,574,400	12,543,610
15870	8230	SPD	SPK	Sacramento River	CA	D	1,135,727.0	1,078,265.0	1,542,018.0	1,252,003.3	1.25897	1,576.238	323,480	1,267.100	284.490	1,033,000	108.870
57420	3603	3603 NCD	NCE	Saginaw River	₹	۵	3,788,958.0	5,234,008.0	5,119,089.0	4,714,018.3	0.97762	4,608.503	2,128,630	3,181.200	1,390.090	3,574,100	1,765.730
288	188	NED	NED	Sakonnet Harbor	ē	۵	0.0	0.0	0.0	0.0	4,232.77778	4.233	0.000	0.000	0.000	0.000	27.600
439	146	NED	NED	Salem Harbor		۵	1,438,636.0	1,558,144.0	1,227,099.0	1,407,959.7	0.00000	0.000	0.000	0.000	0.000	0.000	0.000
24950	265	NAD	NAP	Salem River	╗	_	72,240.0	41,176.0	107,116.0	73,510.7	2,00991	147.750	0.000	275.000	389,960	76.800	0.170
16110	4100	4100 SPD	SPL	San Diego Harbor	<u>-</u> ₹	۵	637,893.0	1,294,113.0	1,166,900.0	1,032,968.7	0.26594	274.704	24.330	5.700	132.290	3.000	131.290
15750	4130	SPD	SPL	San Diego-Mission Bay	₹	۵	20.0	0.0	0.0	6.7	50,524,53733	336.830	23.090	174,600	16.200	0.000	286.000
16130	4335	SPD	SPN	San Francisco Harbor	ð	_	3,197,822.0	2,340,298.0	1,738,572.0	2,425,564.0	1.69028	4,099,888	3,553,330	8,275,300	10,294.830	5,224.100	6,101.550
16180	4270	SPD	SPK	San Joaquin River	δ	۵	1,718,720.0	1,103,323.0	1,608,871.0	1,476,971.3	0.44566	658,221	105,670	442.400	1,098.450	142,100	1,265.830
16190	2136	SAD	SAJ	San Juan Harbor	PR	Q	14,330,502.0	14,153,403.0	16,299,654.0	14,927,853.0	0.06714	1,002.185	0.000	218.500	1,874.850	473,500	1,341,440
16230	4355	SPD	SPN	San Pablo Bay & Mare Island Strait	CA	Q	36,085,087.0	34,176,865.0	32,366,832.0	34,209,594.7	0.04953	1,694.485	857.190	1,110.700	1,046.890	1,659,300	1,007.850
16260	3213	NCD	NCB	Sandusky Harbor	동	Q	5,179,131.0	5,175,912.0	5,421,549.0	5,258,864.0	0.16355	860,109	1,056.370	1,280.200	958.070	837.800	104.500
15730	4136	SPD	SPL	Santa Barbara Harbor	CA	D	11,087.0	0.0	4,987.0	5,358.0	160.88946	862.046	756.950	831.000	886.560	1,403.600	1,395,550
16340	4396	SPD	SPN	Santa Cruz Harbor	CA	a	563.0	0.0	0.0	187.7	3,153,50393	591.808	0000	0000	0.000	0000	50,500
75085	776	SAD	SAS	Savannah Harbor	₽ B	. G	13,988,735.0	14,962,844.0	15,904,910.0	14,952,163.0	0.56917	8,510,274	6,958.460	9,402,200	4,679.910	9,819,400	7,285.920
16550	557	NAD	NAP	Schuylkiii River		Q	8,166,859.0	9,118,567.0	8,725,088.0	8,670,171.3	0.09385	813.708	1,345.900	432.800	961.700	152,300	1,538.270
377	112	112 NED	NED	Searsport Harbor	Æ	٥	782,563.0	1,407,497.0	1,136,068.0	1,108,709.3	0.00000	0.000	0.000	0000	0.000	0.000	0.000

DEEP-DRAFT NAVIGATION PROJECTS:

ACTUAL O&M EXPENDITURES(1990-1994); WATERBORNE COMMERCE(1992-1994);AND AVERGAGE O&M COSTS (1977-1994),
AVERAGE TONNAGES (1992-1994) AND O&M COSTS PER TON (TOTAL 305)

										TONS	(£ 956± \$)	1977-1994	94 D B44	91 C&M	\$2 C&&	95 O E.M.	Preces
ž.	WEW	ā	ä	PROJECT NAME	<u> </u>	TYPE	92.TONE	86 TONS	94 TONS	1992-1964	PER TONS	(1994 \$)		(1,060°S 0011.8	1883		
67318	4722	NPD	NPS	Seattle Harbor	WAD	D	21,883,200.0	21,693,410.0	22,335,514,0	21,970,708.0	0.02310	507.446	685.070	314,700	787.110	136.600	436.57
57.1	49	NED	QQ.	Seekonk River	RI D	D	0.0	79,639.0	30,176.0	36,605.0	0.00003		0.000	0,000	0,000		0.00
72763	4842	NPD	NPA	Seldovia Harbor	AK D	0	309.0	76.0	595.0	326.7	8.55114	2793	0.000	0.000	0.000	0.000	0.00
72744	4809	NPD	NPA	Serglus-Whitestone Narrows	AK D	0	474,775.0	316,701.0	159,264.0	316,913.3	0.00315	0.999	0.000	0.000	0.000	0.000	0.00
72765	4930	NPD	NPA NPA	Seward Harbor	AK D	D	685,627.0	862,134.0	960,874.0	836,211.7	0.00125	1.048	0.000	0000	0.000	0.000	0.00
00299	3759	NCD	NGE	Sheboygan Harbor		٥	41,9120	12,765.0	12,497.0	22,391.3	18.99990	425,433	215.790	663.400	228.240	676.600	314.63
72897		NPD	SAN	Shilshole Boat Harbor	WAD	٥	0.0	0.0	0.0	0.0	0.0000	0000	0000	0.000	0.000	0.000	0.00
16730	861	SAD	SAC	Shipyard River	sc D	0	0.0	0.0	0.0	0.0	0.00000	0.000	0.000	0.000	0.000	0.00	0.00
72845	4808	NPD	NPA	Sitka Harbor	AK D	0	546,262.0	380,930.0	51,220.0	326,137.3	0.00909	2,965	0.000	0.000	0.000	0.000	0.00
16860	4668	NPD	MPP	Sluslaw River	OR D	_	31,050.0	565.0	426.0	10,680,3	74.06181	791,005	452.350	896.200	789.740	732,700	752.57
72846	4812	NPD	NPA	Skagway Harbor	AK D	-	1,949,057.0	659,554.0	127,863.0	912,158.0	0.00328		0.000	0000	0.000	0000	000
16930	4606	NPD	ddN	Skipanon Channel	OR D	_	65,887.0	57,399.0	36,071.0	53,119.0	3.65871	Ľ	119.730	3.100	21,310	1.200	0.52
17180	3732	NCD	NCE	South Haven Harbor	MI D	L	0.0	0.0	6,900.0	2,300.0	Ť		0.300	1,400	143.460	132,000	1.405.64
17300	3501	NCD	NCE	St Clair River	MI	_	68,612,929.0	69,061,904.0	75,530,978.0	71,068,603.7	0.01645	1,169.043	1,001.890	720.800	1,424,510	1.092,600	866.27
87489	4953 NPD	T	NPA	St George Harbor	AK D	_	0.0	0.0	0.0	0.0	0.00000	0000	0.000	0.000	0.000	0.000	0.00
17350	3733	NCD	NCE CE	St Joseph Harbor	MI D	_	543,184.0	485,061.0	631,122.0	553,122.3	2,02364	1,119,319	674.010	1,527,800	923.720	682,000	1,018,05
74572	988	SAD	SAS	St Mary's River	GA D		49,230.0	47,739.0	77,456.0	58,141.7	0.00619	0,360	0.000	0000	0,000	0000	0.0
17380	3810	NCD	Se Se	St Mary's River	Q W	+	71,222,535,0	69,622,931.0	75,939,043.0	72,261,503.0	0.12001	8,672118	6,853.810	8,090.380	9,299.890	9,140,500	11,609.63
10169	4952 NPD	Т	NPA	St Paul Island Harbor	AK		0.0	0.0	0.0	0.0	0.00000	0.000	0.000	0.000	0,000	0.000	0.00
74390	2119	T	SAJ	St Petersburg Harbor	교		527.0	9,917.0	3,361.0	4,601.7	26.83966	123.507	0.000	0.000	0.000	19.800	49.93
39137	317	Т	QQ.	Stamford Harbor	ᇈ		754, 195.0	873,995.0	1,115,561.0	914,583.7	0.10395	95.067	0.000	0.000	0.000	0.000	0.00
383	Ξ	Т	9	Stockton Harbor	ME	1	0.0	0.0	0.0	0.0	0.00000	0.000	0.000	0.000	0.000	0000	0.00(
17660		T	2	Sturgeon Bay Harbor	7		114,282.0	148,778.0	87,662.0	116,907.3	3,13606	366,628	143.000	151,300	394,900	0.000	276.230
17720	4200	Т	Nds	Sulsun Bay Channel	7	1	6,340,058.0	7,086,773.0	7,556,022.0	6,994,284.3	0.05534		832.730	407.400	623.370	507.800	826.451
/808/		Т	NAB	Susquehana River, Havre de Grace	\neg	+	901,354.0	1,424,973.0	1,986,122.0	1,437,483.0	0.02548	36.628	0.000	0.000	0.000	0.000	0.000
72902		Т	SdN	Tacoma Harbor		+	20,116,344.0	18,651,709.0	17,615,819.0	18,794,624.0	0,00415		88.010	156.200	135,500	0.000	0.00
1/300	2021	Т	SAS S	Tampa Harbor	7	+	46,434,233.0	44,992,777.0	51,902,190.0	47,776,400.0	0.04506	2,152,575	3,216.680	2,898,500	4,598.060	4,642,900	1,896.81
4530		Т	SAM	Tampa Harbor Alaffa River	T	+	0.0	0.0	0.0	0.0			0.000	0.000	0.000	0.000	0.00
4545		SAD	W S	Tampa Harbor East Bay Channel	7	+	0.0	0.0	0.0	0.0			0.000	0.000	0.000	0.000	0.000
000	120 0	Т		Tennants Harbor	T	+	104.0	105.0	111.0	106.7	0.00938	000'0	0.000	0.000	0.000	0.000	0.00
10130	2404	Т	5 46	lexas City	T	+	43,104,101.0	53,652,781.0	44,350,803.0	47,035,895.0	0.02468	1,16	860.270	5,300	166,220	1,520.900	424.800
65.00	8 5	NED S	NED SED	Thames River	Т	+	1,135,158.0	1,001,071.0	964,882.0	1,033,703.7	0.00000	0.000	0.000	0.000	0.000	0.000	0.00
0000	4/04	Т	de	IIIIamook Bay Bar	┱	+	2,730.0	3,427.0	1,759.0	2,638.7	114.73944	302.759	132,770	3,535,500	15,410	18.600	30.80
18280	3204 N	O CO	BON LO	Toledo Harbor	T	+	12,721,759.0	12,149,760.0	13,203,884.0	12,691,801.0	0.34642	4,396.698	3,309.950	4,117.000	3,591.800	8,427.900	2,940.130
20.701	0750	Т	30	I WO Harbors	T	+	11,150,046.0	10,711,059.0	9,288,029.0	10,386,378.0	0.01924	199,857	75.810	1,357.400	1,373,350	101.900	3.40
18710	3761 N	Т	빓	Two Rivers Harbor	Т	+	0.0	0.0	0.0	0.0	221,606.07000	221.606	309.760	0.000	161.600	37.800	32.20
18750	4664 N	Т	ddN	Umpqua River	O. D	-	422,005.0	207,190.0	231,895.0	287,030.0	6.33271	1,817.677	642.730	1,317.600	874.090	1,160,400	1,008.56
449	182 N	Т	RED	Vineyard Haven Harbor	MA		265,130.0	320,601.0	142,038.0	242,589.7	0.0000	0.000	0.000	0.000	0.000	0.000	0.00
73714	398 N	П	NAN	Waliabout Channel	NY D	+	115,310,756.0	116,735,760.0	126,100,614.0	119,382,376.7	0.00000	0000	0.000	0.000	0.000	0.000	0.000
19500	713 NAD	П	NAB	Washington Harbor	о 2		558,570.0	661,580.0	704,207.0	641,452.3	0.59079	378.964	13,530	440,500	429,590	24.300	28.67
19560	3752 NCD	Т	ဋ္ဌ	Waukegan Harbor	교	_	519,828.0	576,559.0	603,733,0	566,706.7	1.07020	606 490	576 490	836,000	A82 250	000 000	1 802 580
72822	2010									-		2000	201010	2000	10.50	350,300	2000

DEEP-DRAFT NAVIGATION PROJECTS:

ACTUAL OEM EXPENDITURES(1990-1994); WATERBORNE COMMERCE(1992-1994); AND AVERGAGE OEM COSTS (1977-1994),

AVERAGE TONNAGES (1992-1994) AND ORM COSTS PER TON (TOTAL 305)

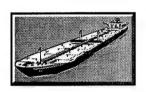
A60		ŝiā	PROSECT NAME	13	TYPE	SROI 26	SHOT 58	SHC1 F6	AVERAGE A TONE 1998-1994	AVERAGE COST (1884 S) PER TONS	AVG 0&M 1977-1894 (1894-3)	WTG 06	STOKM (1.000 S DOLLARS)	¥2.0&#</th><th>Мас ве</th><th>NEO 15</th></tr><tr><td>NED NED Weymou</td><td>П</td><td>Weymon</td><td>Weymouth Back River</td><td>MA</td><td>۵</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.00000</td><td>0.000</td><td>0.000</td><td>0.000</td><td>0.000</td><td>0.000</td><td>0.000</td></tr><tr><td>149 NED NED Weymou</td><td>Ĺ</td><td>Weymon</td><td>Weymouth-Fore & Town River</td><td>MA</td><td>a</td><td>19,207,776.0</td><td>19,447,857.0</td><td>18,869,586.0</td><td>19,175,073.0</td><td>0.00011</td><td>2148</td><td>0.000</td><td>0.000</td><td>0.000</td><td>0.000</td><td>0.000</td></tr><tr><td>NCD NCE White L</td><td></td><td>White L</td><td>White Lake Harbor</td><td>₹</td><td>۵</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>145,478.87111</td><td>145.479</td><td>0.300</td><td>158,000</td><td>4.830</td><td>0.000</td><td>97.400</td></tr><tr><td>NPD NPS Willaps</td><td></td><td>Willapa</td><td>Willapa Harbor</td><td>WA</td><td>٥</td><td>159,321.0</td><td>96,771.0</td><td>25,515.0</td><td>93,869.0</td><td>273057</td><td>256.316</td><td>5.860</td><td>163.900</td><td>48.240</td><td>525.200</td><td>62.600</td></tr><tr><td>SAD SAW Wilmir</td><td></td><td>Wilmir</td><td>Wilmington Harbor</td><td>NC</td><td>٥</td><td>7,225,990.0</td><td>7,813,327.0</td><td>7,911,069.0</td><td>7,650,128.7</td><td>0.54897</td><td>4,199,663</td><td>3,761.010</td><td>5,936,100</td><td>8,256,980</td><td>2,683.700</td><td>5,595,290</td></tr><tr><td>554 SAD SAW WIIMI</td><td>Ť</td><td>Wilmi</td><td>Wilmington Harbor</td><td>DE</td><td>Q</td><td>3,825,555.0</td><td>4,106,459.0</td><td>4,503,345.0</td><td>4,145,119.7</td><td>0.96473</td><td>3,998.926</td><td>25.290</td><td>2,210,200</td><td>2,638.000</td><td>2,407.700</td><td>2,569.730</td></tr><tr><td>315 NED NED WIIS</td><td></td><td>WIIS</td><td>Wilson Point</td><td>CT.</td><td>0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.00000</td><td>0.000</td><td>0.000</td><td>0.000</td><td>0.000</td><td>0000</td><td>0.000</td></tr><tr><td>4804 NPD NPA Wran</td><td>Ĺ</td><td>Wran</td><td>Wrangell Narrows</td><td>ΑK</td><td>۵</td><td>717,639.0</td><td>569,022.0</td><td>547,023.0</td><td>611,228.0</td><td>0.33966</td><td>207.607</td><td>13.090</td><td>0,000</td><td>0.000</td><td>0000</td><td>47.820</td></tr><tr><td>4712 NPD NPS WW</td><td></td><td>⋠</td><td>WW connecting Port Townsend & Oak B WA</td><td>3 WA</td><td>٥</td><td>119,798.0</td><td>242,318.0</td><td>159,130.0</td><td>173,748.7</td><td>0.08771</td><td>15,239</td><td>5.800</td><td>7,000</td><td>8.580</td><td>0.000</td><td>43.000</td></tr><tr><td>4672 NPD NPP Yaqu</td><td></td><td>Yage</td><td>Yaquina Bay Harbor</td><td>OR</td><td>۵</td><td>195,737.0</td><td>156,849.0</td><td>107,730.0</td><td>153,438.7</td><td>1201373</td><td>1,843.371</td><td>644.110</td><td>1,648.300</td><td>1,602,680</td><td>2,038,400</td><td>1,495.490</td></tr><tr><td>NAD NAO Yor</td><td></td><td>Yor</td><td>York River</td><td>٨A</td><td>۵</td><td>6,091,529.0</td><td>5,478,080.0</td><td>6,943,963.0</td><td>6,171,190.7</td><td>0.00105</td><td>6.508</td><td>0.000</td><td>12800</td><td>0000</td><td>0.000</td><td>0.000</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td>2,412,294,029</td><td>1,984,644,888</td><td>2,084,340,329</td><td>2,160,426,415</td><td>0.16449</td><td>405,536,521</td><td>272,131,210</td><td>400,670,360</td><td>385,905.100</td><td>385,905.100 379,539.100</td><td>415,855,530</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>
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NOTES: (1) Waterborne Commerce Data from the USACE Waterborne Commerce Statistics Center, New Orleans, LA

(2) O&M Expenditures from the Corps Navigation Cost Recovery Database Sytem reports, USACE, Institute for Water Resources (3) For projects with zero tonnage, the tonnage was set to one for the purpose of computing the average O&M cost per ton.

(4) For projects with zero average O&M (77-94), the o&m was set to one for the purpose of computing the average O&M cost per ton.

TYPE D= Deep Draft Project WTWY = Waterway Code PWI = Project Work Item



Navigation Operation and Maintenance: Expenditures for Harbors and Waterways Fiscal Year 1996

APPENDIX J - Shallow Draft Navigation Projects

Not Subject to the Inland Waterway Fuel Tax,
Actual and Average O&M Expenditures,
Waterborne Commerce and Average Annual
Tonnages, and Annual O&M Costs per Ton of
Commerce

ACTUAL ORM EXPENDITURES(1990-1994); WATERBORNE COMMERCE(1992-1994); AND AVERGAGE ORM COSTS (1977-1994), AVERAGE TONNAGES (1992-1994) AND O&M COSTS PER TON (TOTAL 733) SHALLOW-DRAFT NAVIGATION PROJECTS:

	Contraction of the last of the												TO STATE OF THE PARTY OF THE PA				
										TORS	(1894.5)	1977-1994	90 0&M	91 DAM	92 O&M	93 OS#	94 O&M
H.	MINI	NA.	뫮	PROJECT NAME	SI II	TYPE 92.1	22 TORES	93.TORS	94.TONS	1992-1994	PER TONS	(1894 \$)		(1,000'S DOLLARS)	LARS		
76010	959	NAD	NAO	Aberdeen Creek	VA S	-	23	20	15	29	0.034	0000	0000	0000	0000	0.000	0.000
20460		gys	SAC	Adams Creek	သ		0	0	٥	0	658.967	0.659	0.000	0.000	0000	0.000	0.000
74547		<u>80</u>	90	Agana Small Boat Harbor	gn S		0	0	8	0	3,429.391	3,429	2,630	0000	000'0	0.000	0.000
74177	3763	NCD	NGE NGE	Algoma Harbor	S IM		0	0	0	0	50,408,200	50.408	0.000	0.000	0.000	293.200	37.100
73868	266	MAD	NAP		S		0	0	0	0	1,303.573	1.304	0.000	0.000	0000	0.000	0.000
74573	882	SAD	SAS	Altamaha Oconee & Ocmulgee Rivers	GA S		149	1520	98	583	0.472	0.275	0.000	0.000	0000	0.000	0.000
73608	715	MAD	MAB		သ		558570	661580	704207	641452	0.242	155.031	0.000	0.000	129.240	2,058.900	92.000
74478	2123	SAD	SAJ	Anciote River	R S		552	1069	1500	1040	9.346	9.723	0000	0000	000'0	4.900	170.540
74251		S	NCR	Andalusia Harbor	S =		0	0	0	0	8,646.631	8.647	97,200	4.000	59.400	0.000	0.000
87009	1295	NEO	NED	Andrews River	MAS		0	0	0	0	24,737,591	24.738	56.490	0000	0000	83.200	0.080
8	2183	SAD	SAM	Apalachicola Bay	S.		0	0	0	0	231,551,110	231.551	88.880	123.000	34.560	153.000	317,900
30580	899	NAD	NAO		VA S		1366134	4180678	3019519	2855444	0.092	262.218	265.480	1,752.900	1,670.890	744.100	255.810
579	456	NAD	NAB	Aquia Creek	VAS		0	0	0	0	14.322	0.014	0000	0000	0000	0000	0.000
46063			SGE SGE	Arcadia Harbor	<i>σ</i>		0	0	0	0	243,489.293	243.489	84.180	121.400	64.060	78.500	101.140
7604	785	SAD	SAW	Atlantic Beach Channel	S S		1867	2066	4	1312	6.440	8.452	145.370	000:0	00000	0.000	0.000
5	3631	NCD	30	Au Sable Harbor	s ₹		0	0	0	0	21,069.078	21.069	11.740	249.200	8.860	0.100	090'0
74036		S	8	Auasi Small Boat Harbor	AS S	L	0	0	0	0	3,934.094	3.934	0000	0000	21.900	33.500	21.000
87282		go.	8	Aunuu Harbor	AS S		0	0	0	0	55,667.049	55.667	22.750	34.900	56.400	317.000	423.620
76024	770	SAD	SAW	Avon Harbor	S NC		825	789	20	545	51.613	28.112	0.000	0.000	0.000	0.000	0.000
73551	491	NAD	NAB	Back Creek	S		150	293	233	225	0.270	0.961	0000	0000	0000	0.000	0.000
74482	2110	SAD	SAL	Bakers Haulover Inlet	교		0	0	0	0	7,776.533	1111	0000	0000	0000	0.000	0.000
906	2066	9	N	Barataria Bay Waterway	S		1538324	1872704	727394	1379474	1.075	1,482.328	1,230.570	2,024.700	233.270	295.400	376.360
44036	3234	NCD	NCB	Barcelona Harbor	s ¥		0	0	0	0	125,939.867	125.940	0.000	0.000	0000	0.000	0.000
8	284	284 NAD	NAP	Barnegat Inlet	S	_	1199	286	452	746	941.594	702.116	979.610	888.100	721.950	988.200	1,113.180
74591	828	SAD	SAW		NC S	_	5727	6254	191	4057	000:0	0000	0000	0.000	0000	0.000	0.000
74320	3865	NC C	띯	Bayfield Harbor	S		26432	26728	29136	27432	0.047	1.285	0.000		0.000	0.000	0000
55	2230	9	3	Bayou Bonfouca	S		7494	8702	122146	46114	110.0	0.806	0.000	0000	0.000	0.000	0000
74520	2200	SAD	SAM	Bayou Coden	AL S	-	0	0	0	0	94,568.150	94.568	338.230	5.300	0.420	1.500	22.200
1110		2235 LMD	N	Bayou Dupre	s Y		0	0	144644	144644	0000	0000	0.000		0.000	0.000	0000
쫎	2231	9	N.	Bayou Lacombe	S Y1		8750	137	0	2962	0.272	0.806	0.000	0000	0.000	0000	0.000
2310	2070	Q.	N.	Bayou LaFourche & LaFourche Jump WW	<i>ω</i>	-	2031549	2214254	3114366	2453390	0.019	46.254	134.180	2,214.800	76.200	1.200	1,758.000
162	2242	Q#T	NA.	Bayou Plaquemine Brule	S A1		0	614	2992	1092	0.001	0000	0.000	0.000	0.000	0.000	0.000
24	7237	9	N C	Bayou Segnette Waterway	S S	_	662	2757	1653	1691	15.276	25.826	46.150	204.500	092'0	3.000	0000
1150	2244	CINC	š	Bayou Teche	2	_	956370	1088423	1088831	1044541	0.347	362.245	265.500	295.700	578.550	379.800	1,377.48
1160	2064	Q	š	Bayou Teche Vermillion River	2		1104838	1592812	1433807	1377152	0.025	34.907	0.000	8.900	0000	0.000	24.600
165	2061	9	N I	Bayou Terrebonne	<u>∞</u>	_	198673	224693	250838	224735	0000	0000	0.000		0000	0.000	0000
2		9	3	Bayou Vermillion	<u>ν</u>		0	0	1421487	1421487	0000	0000	0.000	0.000	0.000	0.000	0.000
90005	2054	9	3	Bayous La Loutre St Maio	S S	L	48418	44102	34908	42476	0.000	0000	0000	0000	0.000	0000	0.000

ACTUAL O&M EXPENDITURES(1990-1994); WATERBORNE COMMERCE(1992-1994);AND AVERGAGE O&M COSTS (1977-1994), SHALLOW-DRAFT NAVIGATION PROJECTS:

733)

(TOTAL

TON

PER

COSTS

OEM

AND

(1992-1994)

AVERAGE TONNAGES

221.700 82.300 20.900 991.300 0.000 585.630 40.000 35.170 0.000 0.000 0.620 42.300 0.000 0.00 0.000 0.000 0.000 900 0.00 38.730 0.000 0.000 1170 to 0.000 21.200 007.777 148.800 0.000 12.100 0.000 1.100 0.000 27.800 2.700 184.000 0.000 0.000 25.400 0.000 0.000 0.000 0.000 0.000 0.000 1.100 0.000 0.000 130 SE 0.000 92 OBM (LOOR'S DOLLARS) 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 662.500 300.900 0.000 0.000 317.300 0.000 0.000 3.000 0000 91 OAH 136.750 0.000 0.000 781.820 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 697.940 0.210 90 O&M 0.000 20.676 344.344 57.759 676.621 36.836 21.898 9.464 0.000 103.773 59.784 71.200 24.061 74.385 0.380 0.000 209.637 0.000 0.000 20.487 1.208 0.00 0.104 1.661 58.890 7.162 100.149 55 55E) 1977-1994 0.384 0.000 0.000 0.547 20,676,006 0.000 7.534 0.000 21,898.456 0.907 0.000 53.620 59,783.646 1,207.960 10.836 74,384.676 2,657.883 1.829 103.592 0.000 1,661.289 0.360 0.150 0.905 0.009 29,568.773 7,162,311 AVERAGE COST (1894 \$) PER TONS 16048 16048 37467 22763 1761973 162273 10434 1935 6571 954 789 114612 131068 22682804 2185 7667 3592 629 256 1892-1984 TORS 38411 131068 1607458 28616 6204 814 2822 26025 161355 2544 78826 ន 13 90194 **BATONS** 34100 34100 1781628 6493 1613 189540 46960 23471224 22 35 35061 23000 92499 3667 65986 1819 244 STORE 14044 14044 27031 7204 896832 154982 232965 7015 88 3732 512 22400387 2687 5806 299077 10776 92 TONS H Š Ş ¥ WA × ₽ £ 2 ₹. c × ums Waterway Small Boat Harbor Big Pigeon & Little Pigeon Bayous PROJECT NAME Slack River, Upper Peninsula rookgreen Garden Canal lethel Small Boat Harbor **3uttermilk Bay Channe Slack Walnut Harbor** Big Suamico Harbor ullocks Point Cove anapitsit Channe Big Timber Creek 3elhaven Harbor **Serkeley Marina** Stackwater River 3on Secour Rive Senbrook Lake Big Sandy River Sranford Harbor Big Bay Harbor Casseville Harbor Berkley Harbor onum Creek **3ranson Cove Bolles Harbor** laine Harbor Breton Bay Broad Creek Biloxi Harbor 3odega Bay **3road Creek** Cashle River **Black River 3ronx River** RED 일 SAM NCE NAB NCE Ş SAM MPS SPN NCE SAM NAB 밀 NAB ¥8 MAB MAN AAN Ē ပ္ ₽ ä NAD NAD NAD 224 NAD SA G SE 絽 일 SAD SCO SAD SPD CO SAD NAD NAD NAD NCD NED 471 NAD SAD Ñ MAD Š 3791 NCD SAD 2213 102 4346 4346 3846 2240 2345 2002 2322 902 2190 1239 445 1268 2400 4847 259 3861 4744 4392 308 463 54 353 1176 3632 761 88 2086 MIN 1350 100001 24100 612 612 73869 1520 74321 1640 30290 23230 72913 1850 87750 76060 234 581 73553 582 73554 41067 41022 556 T3T27 8T387 74199 1290 **4**0 20600 쫎

SHALLOW-DRAFT NAVIGATION PROJECTS:

ACTUAL ORM EXPENDITURES(1990-1994); WATERBORNE COMMERCE(1992-1994); AND AVERGAGE ORM COSTS (1977-1994), AVERAGE TONNAGES (1992-1994) AND O&M COSTS PER TON (TOTAL 733)

										AVERAGE	AVERAGE COST	AVG O&H					
										TORS	(1994-5)	1977-1994	980 OSH	91 O&M	92.0514	\$3 D&#</th><th>M90 16</th></tr><tr><th>FA</th><th>MEN</th><th>ANG)</th><th>SIG /</th><th>PROJECT NAME</th><th>I IS</th><th>IPE</th><th>92 TONS</th><th>83.10%</th><th>94 TONS</th><th>1992-1984</th><th>PER TONS</th><th>(1994 \$)</th><th>·</th><th>(1,000°S DOLLARS)</th><th>LARSI</th><th></th><th></th></tr><tr><th>73920</th><th></th><th>NCD</th><th>NCB</th><th>Cattaraugus Creek</th><th>NY S</th><th>H</th><th>0</th><th>0</th><th>0</th><th>0</th><th>11,829.927</th><th>11.830</th><th>18.910</th><th>31.000</th><th>0.700</th><th>48.200</th><th>45.270</th></tr><tr><th>2810</th><th>2401</th><th></th><th>SWG</th><th></th><th>S XT</th><th></th><th>302824</th><th>349680</th><th>321395</th><th>324633</th><th>0.369</th><th>119.914</th><th>0.300</th><th>0.000</th><th></th><th>0000</th><th>0.000</th></tr><tr><th>87211</th><th></th><th>NAD</th><th>NAP</th><th>Cedar Creek</th><th>S</th><th></th><th>0</th><th>0</th><th>0</th><th>0</th><th>20,444.771</th><th>20.445</th><th>0.000</th><th>0.000</th><th>25.600</th><th>0000</th><th>0.000</th></tr><tr><th>74484</th><th>2129</th><th>9 SAD</th><th>SAJ</th><th>Cedar Keys Harbor</th><th>FI S</th><th></th><th>3866</th><th>1631</th><th>0</th><th>1766</th><th>0.001</th><th>0.000</th><th>0.000</th><th>0.000</th><th>0.000</th><th>0000</th><th>0.000</th></tr><tr><th>74601</th><th>835</th><th>S SAD</th><th>SAW</th><th>oroughfare Bay to Cedar</th><th>NC S</th><th></th><th>280</th><th>6383</th><th>4040</th><th>3568</th><th>000:0</th><th>0.000</th><th>0.000</th><th>0000</th><th>0000</th><th>0.000</th><th>0.000</th></tr><tr><th>2890</th><th></th><th>842 SAD</th><th>SAW</th><th>Channel from Back Sound to Lookout Bight</th><th>NC S</th><th>s</th><th>8188</th><th>10342</th><th>5177</th><th>7902</th><th>17.016</th><th>134,464</th><th>26.330</th><th>8.400</th><th>126.300</th><th>2.400</th><th>0.000</th></tr><tr><th>8213</th><th></th><th>SWD</th><th>SWG</th><th>Channel to Red Bluff</th><th>Ϋ́S</th><th><u> </u></th><th>0</th><th>0</th><th>0</th><th>0</th><th>79,261.611</th><th>79.262</th><th>0.000</th><th>0.000</th><th>0.000</th><th>853.000</th><th>647.920</th></tr><tr><th>12150</th><th>L</th><th>2113 SAD</th><th>SAJ</th><th>Channel, Naples-Big Marco Pass</th><th>F.</th><th></th><th>1347</th><th>1516</th><th>0</th><th>954</th><th>149.243</th><th>142.428</th><th>35.280</th><th>22.700</th><th>60.470</th><th>516.400</th><th>0.860</th></tr><tr><th>39001</th><th>175</th><th>S NED</th><th>NED</th><th>Chatham Harbor</th><th>MAS</th><th></th><th>4456</th><th>4184</th><th>0</th><th>2880</th><th>63.706</th><th>183.474</th><th>781.050</th><th>154.900</th><th>7.020</th><th>141.500</th><th>4.510</th></tr><tr><th>73626</th><th>L</th><th>379 NAD</th><th>NAN</th><th>Cheesequake Creek</th><th>3</th><th>s</th><th>0</th><th>0</th><th>0</th><th>0</th><th>24,346.471</th><th>24.346</th><th>59.510</th><th>45.500</th><th>75.000</th><th>164.600</th><th>118.000</th></tr><tr><th>8215</th><th></th><th>248 NAD</th><th>NAP</th><th>Chesapeake & DE Canal, St George's Bridge</th><th>S E</th><th>s</th><th>13529305</th><th>14532953</th><th>13633586</th><th>13898615</th><th>0.107</th><th>1,488.937</th><th>0.000</th><th>0.000</th><th>0000</th><th>14,010.900</th><th>14,008.920</th></tr><tr><th>19550</th><th></th><th>600 NAD</th><th>NAO</th><th>Chesapeake Bay-Delaware Bay</th><th>8</th><th>s</th><th>950</th><th>488</th><th>106</th><th>515</th><th>2,096.076</th><th>1,078.780</th><th>877.750</th><th>921.800</th><th>1,218.250</th><th>1,256.600</th><th>1,156.950</th></tr><tr><th>87303</th><th>L</th><th>295 NAD</th><th>NAO</th><th>Chesconessex Creek</th><th>*</th><th>s</th><th>14</th><th>136</th><th>2</th><th>51</th><th>0.020</th><th>0.000</th><th>0.000</th><th>0.000</th><th>0.000</th><th>0.000</th><th>0000</th></tr><tr><th>73557</th><td></td><td>409 NAD</td><td>NAB</td><td>Chester River</td><td>Q</td><td>s</td><td>102747</td><td>12107</td><td>31229</td><td>48694</td><td>2.817</td><td>137.155</td><td>19.620</td><td>0.000</td><td></td><td>966.300</td><td>43.160</td></tr><tr><th>3130</th><td>L</td><td>4650 NPD</td><td>ddN</td><td>Chetco River</td><td></td><td>s</td><td>6893</td><td>36360</td><td>5315</td><td>16189</td><td>26.800</td><td>433.881</td><td>373.100</td><td>500.700</td><td>341.070</td><td>328.700</td><td>249.260</td></tr><tr><th>584</th><td>L</td><td>1334 NAD</td><td>NAO</td><td>Chincoteague Bay</td><td>VA S</td><td>1</td><td>0</td><td>0</td><td>0</td><td>0</td><td>18,171.067</td><td>18.171</td><td>0.000</td><td>113.100</td><td></td><td>4.100</td><td>0.000</td></tr><tr><th>10890</th><td></td><td>730 NAD</td><td>NAO</td><td>Chincoteague Bay Channel</td><td>Y.</td><td>s</td><td>732</td><td>68</td><td>80</td><td>276</td><td>0.004</td><td>0000</td><td>0.000</td><td>0.000</td><td>0.000</td><td>0.000</td><td>0.000</td></tr><tr><th>88918</th><th></th><th>731 NAD</th><th>NAO</th><th>Chincoteague Harbor of Refuge</th><th>A A</th><th>s</th><th>622</th><th>284</th><th>104</th><th>337</th><th>0.003</th><th>0.000</th><th>0.000</th><th>0.000</th><th>0.000</th><th>0000</th><th>0.000</th></tr><tr><th>30730</th><th>2405</th><th>S SWD</th><th>SWG</th><th>Chocolate Bayou</th><th>¥</th><th>S</th><th>3343072</th><th>3715107</th><th>3756726</th><th>3604968</th><th>0.016</th><th>59.263</th><th>0.000</th><th>0.000</th><th>0:000</th><th>304.700</th><th>788.540</th></tr><tr><th>73558</th><td>L</td><td>423 NAD</td><td>NAB</td><td>Choptank River</td><td>GW</td><td>s</td><td>226473</td><td>248126</td><td>291988</td><td>255529</td><td>0.009</td><td>2.299</td><td>0.000</td><td>0:000</td><td>0:000</td><td>0.000</td><td>0.000</td></tr><tr><th>73752</th><td></td><td>808 SAD</td><td>SAW</td><td>Chowan River</td><td>NC S</td><td>s</td><td>313583</td><td>197843</td><td>199850</td><td>237092</td><td>0000</td><td>0.000</td><td>0.000</td><td>0.000</td><td>0.000</td><td>0.000</td><td>0.000</td></tr><tr><th>73560</th><td></td><td>707 NAD</td><td>NAB</td><td>Claiborne Harbor</td><td>뎵</td><td>s</td><td>0</td><td>0</td><td>0</td><td>0</td><td>40,631.372</td><td>40.631</td><td>0:000</td><td>0000</td><td>0.000</td><td>0.000</td><td>0.000</td></tr><tr><th>3330</th><th>L</th><th>2014 SWD</th><th>SWG</th><th>Clear Creek and Lake</th><th>×</th><th>s</th><th>0</th><th>99</th><th>2491</th><th>852</th><th>12.917</th><th>11.009</th><th>0.000</th><th>0.000</th><th>0.000</th><th>0.000</th><th>0.000</th></tr><tr><th>3400</th><td></td><td>2121 SAD</td><td>SAJ</td><td>Clearwater Pass</td><td>FL</td><td>s</td><td>2717</td><td>9</td><td>3450</td><td>2058</td><td>34.217</td><td>70.408</td><td>15.580</td><td>0.800</td><td>71.920</td><td>79.600</td><td>230.550</td></tr><tr><th>39136</th><th>L</th><th>306 NED</th><th>NED</th><th>Clinton Harbor</th><th>CT 8</th><th>S</th><th>0</th><th>0</th><th>0</th><th>0</th><th>10,636.978</th><th>10.637</th><th>0.000</th><th></th><th>0.000</th><th>0.000</th><th>0.000</th></tr><tr><th>3490</th><td>_</td><td>NCD</td><td>NCE</td><td>Clinton River</td><td>Ĭ</td><td>S</td><td>0</td><td>0</td><td>0</td><td>0</td><td>337,645.246</td><td>337.645</td><td>103.180</td><td>483.900</td><td>1,118.350</td><td>448.600</td><td>47.800</td></tr><tr><th>228</th><td></td><td>193 NED</td><td>NED</td><td>Coasters Island Harbor</td><td>E S</td><td>s</td><td>0</td><td>0</td><td>545</td><td>542</td><td>0.002</td><td>0.000</td><td>0.000</td><td>0000</td><td>0.000</td><td>0.000</td><td>0.000</td></tr><tr><th>3540</th><td></td><td>267 NAD</td><td>NAP</td><td>Cohansey River</td><td>3</td><td>S</td><td>2837</td><td>2677</td><td>2</td><td>2839</td><td>83.509</td><td>237.054</td><td>953.820</td><td></td><td>17.800</td><td>1.600</td><td>0000</td></tr><tr><th>3560</th><td></td><td>166 NED</td><td>NED</td><td>Cohasset Harbor</td><td>MA</td><td>S</td><td>0</td><td>0</td><td>0</td><td>0</td><td>11,973.333</td><td>11.973</td><td></td><td></td><td></td><td>0.000</td><td>0000</td></tr><tr><th>72863</th><td></td><td>8694 NPD</td><td>SdN</td><td>Columbia River btn Wenatchee Falls</td><td>WA</td><td>S</td><td>0</td><td>15</td><td>0</td><td>5</td><td>0.200</td><td>0.000</td><td>0.000</td><td>0000</td><td>0.000</td><td>0.000</td><td>0000</td></tr><tr><th>23080</th><td></td><td>4681 NPD</td><td>MPP</td><td>Columbia River btw Chinook & Sand Island</td><td>OR (</td><td>s</td><td>0</td><td>2040</td><td>1415</td><td>1152</td><td>325,184</td><td>374.504</td><td>51.250</td><td>249.300</td><td>258.560</td><td>0.700</td><td>10.400</td></tr><tr><th>3570</th><td>L</td><td>4680 NPD</td><td>NPP</td><td>Columbia River, Baker Bay</td><td>NO.</td><td>s</td><td>0</td><td>7411</td><td>10024</td><td>5812</td><td>41.476</td><td>241.047</td><td>54.870</td><td>38.300</td><td>16.530</td><td>28.000</td><td>632.010</td></tr><tr><th>73680</th><td>L</td><td>364 NAD</td><td>NAN</td><td>Coney Island Creek</td><td>ž</td><td>s</td><td>14639</td><td>19001</td><td>9411</td><td>14350</td><td>0.220</td><td>3.157</td><td>58.710</td><td>0000</td><td>0000</td><td>0.000</td><td>0000</td></tr><tr><th>3870</th><td>L</td><td>4662 NPD</td><td>ddN</td><td>Coos and Millicoma River</td><td>S S</td><td>s</td><td>0</td><td>0</td><td>0</td><td>0</td><td>124,332.614</td><td>124.333</td><td>100.450</td><td>19.000</td><td>0000</td><td>0.000</td><td>0000</td></tr><tr><th>3900</th><th></th><th>4656 NPD</th><th>MDP</th><th>Coquille River</th><th>OR (</th><th>s</th><th>45</th><th>71703</th><th>14</th><th>23921</th><th>14.845</th><th>355.107</th><th>188.060</th><th>"</th><th></th><th>339.000</th><th>499.310</th></tr><tr><th>3950</th><th></th><th>4814 NPD</th><th>NPA</th><th>Cordova Harbor</th><th>AK</th><th>s</th><th>9626</th><th>104103</th><th>31766</th><th>78508</th><th>0.505</th><th>39.676</th><th>0.000</th><th>79.800</th><th>314.700</th><th>0.000</th><th>0000</th></tr><tr><th>338</th><td></td><td>103 NED</td><td>NED</td><td>Corea Harbor</td><td>ME</td><td>s</td><td>12</td><td>15</td><td>1257</td><td>428</td><td>0.002</td><td>0000</td><td></td><td></td><td></td><td>0.000</td><td>0000</td></tr><tr><th>3970</th><td>Ш</td><td>3920 NCD</td><td>NCE</td><td>Cornucopia Harbor</td><td>i¥.</td><td>s</td><td>0</td><td>0</td><td>0</td><td>0</td><td>41,161.318</td><td>41.161</td><td>0.000</td><td>46.500</td><td>63.740</td><td>0.700</td><td>0.040</td></tr><tr><th> </th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>	

SHALLOW-DRAFT NAVIGATION PROJECTS:

ACTUAL O&M EXPENDITURES(1990-1994); WATERBORNE COMMERCE(1992-1994);AND AVERGAGE O&M COSTS (1977-1994), AVERAGE TONNAGES (1992-1994) AND O&M COSTS PER TON (TOTAL 733)

										AVERAGE	AVERAGE COST	AVG O&M					
										TORS	(\$ 964.)	1977-1094	90 O&M	91 O&M	92 O&M	93 C&M	94 O&H
置	MING	Add	SKI	PROJECT NAME	SI IV	TYPE 92	92 TONS	SA TONS	94 TONS	1992-1994	PER TONS	(1894 \$)		(1.000'S DOLLARS)	LARSI		
4210	4624	ON	MPP	Cowiitz River	WA S		0	194	16	02	349.316	24.452	0000	0000	0.000	0.000	0.000
72788	4834	ΩdN	NPA	Craig Harbor	AK S		1671	1126	2048	1615	4.624	7.467	00:00	0.000	76.300	0.000	2.000
585	617	NAD	NAO	Cranes Creek	VA S		41			14	3,235.800	44.223	0000	182.000	39.700	0000	0.000
339	114	114 NED	NED	Criehaven Harbor	ME S		0	0	0	0	355.556	0.356		0.000	0.000	0.000	6.400
51950	712	712 NAD	NAB	Crisfield Harbor	S QW		4365	9699	1847	4303	23.200	99.822	1,097.840	0000	49.400	0.000	0000
4300	2044	2044 SAD	SAJ	Cross Florida Barge Canal	FL S		0	0	0	0	1,588,815.621	1,588.816	1,720.060	1,497.000	1,733.200	905.400	191.300
74488	2127	2127 SAD	SAJ	Crystal River	F. S		1217	44706	0	15308	0.055	0.847	0.000	0.000	0000	0.000	15.240
608	-85 -85	185 NED	NED	Cuffyhunk Harbor	MA S		1185	906	719	937	33.043	30.950	0.000	0.000	102.000	6.200	141.000
74576	778	778 SAD	SAS	Darien Harbor	GA S		6212	3172	174	3186	0.000	0.000	0.000	0000	0.000	0.000	0000
4480	2194	2194 SAD	SAM	Dauphin Island Bay	AL S		1652	17249	173	6358	21.815	138.702	569.980	4.500	43.380	90.700	16.240
42017	645	NAD	NAO	Davis Creek	VA S		147	88	47	94	0.011	0000		0.000	0.000	0000	0000
75117	999	660 NAD	NAO	Deep Creek, Newport News	N S		185	182	185	184	1,145.229	210.722	111.520	1,037.800	0000	0000	0.000
72865	4614	OdN	ddN	Deep River	WA S		2			1	1.500	0000	0.000	0.00	0.000	0000	0.000
4610	4687	Odn	ddN	Depoe Bay	OR S		323	158	133	205	388.321	79.476	11.110	7.700	5.400	77.400	630.100
4680	3812	3812 NCD	NCE	Detour Harbor	S		88	141	0	11	305.729	23.439	0.000	0.000	0.000	0000	0000
	2015	2015 SWD	SWG	Dickinson Bayon	S XT		0	0	555862	555862	0000	0.000	0.000	0.000	0.000	0000	0.000
4800	4846	4846 NPD	NPA	Dillingham Harbor	AK S		12278	20472	22717	18489	28.819	532.831	535.590	5.160	388.230	390.900	459.010
20710	2090	2090 SAD	SAM	Dog and Fowl Rivers	AL S		0	0	0	0	117,225.417	117.225	464.840	0.100	0.850	201.900	289.700
4930	2013	2013 SWD	SWG	Double Bayou	s ¥		240		-	90	868.129	69.740	0.000	0.000	0.000	0.000	0.000
72789	4811	4811 NPD	NPA	Douglas Harbor		\dashv	0	92	2771	940	3.793	3.567	0.000	0000	0.000	0000	0.000
26060	836	836 SAD	SAW	Drum inlet	S NC	+	1734			278	14.800	8.554	0.000	12.600	0.680	0000	140.500
72790	4871	₽	NPA	Dry Pass	AK S		0	0	0	0	9,142.489	9.142	0.000	0.000	0.000	0000	0.000
73580	429	429 NAD	NAB	Duck Point Cove	S QM	-	821	2360	1254	1478	11,258	16.643	0.000	0.000	0.000	0000	0.000
2080	168	QQ.	NED	Duxbury Harbor	MA S		0	0	0	0	58,105.367	58.105	0.000	0.000	0.000	0000	0.000
22870	3829	3859 NCD	NCE	Eagle Harbor	s ¥	-	0	0	0	0	1,843.350	1.843	0.050	0000	0.000	0.000	0.000
41004	88	348 NAD	NAN	East Chester Creek	S ¥		1194015	1115389	1177358	1162254	0.134	156.226	64.940	161.500	172.700	70.300	202.240
4980	2189	2189 SAD	SAM	East Pass Channel	다 8	\dashv	0	0	0	0	557,877.328	557.877	120.790	635.700	106.020	236.600	1,532.400
2200	2209	2209 LMD	LW	East Pearl River	S SW	\dashv	239559	226213	361955	275909	990'0	18.190	0.000	0.000	0.000	0000	0.000
5220	126	1226 NAD	NAN	East Rockaway Inlet	s ∡		962000	954000	934000	920000	0.784	745.116	834.650	370.300	357.060	215.600	2,377.520
75118	101	GE	NED	Eastport Harbor	WE S	\dashv	245149	15249	192376	150925	0.124	18.661	0.000	0000	0.000	0.000	0.000
74489	2105	SAD	SAJ	Eau Gallie Harbor	다 S	-	0	0	0	0	48,443.178	48.443	0.000	0000	0.000	0:00	1.920
74604	26		SAW	Edenton Harbor	NC S	\downarrow	76761	42754	51702	57072	0000	0.000	0.000	0000	0.000	0.000	0.000
76148		₽ E	SdN	Edmonds Harbor	WA		0	0	0	0	15,701,284	15.701	0000	0.000	0.000	0000	0.000
72792	4872	4872 NPD	NPA	Egegik River	AK	\dashv	528	4367	5974	3623	0.277	1.005	0000	0.000	0.000	0000	0000
72793	4838	П	NPA	Effin Cove	AK S	-	682		642	441	2.276	1.005	0.000	0.000	0.000	0:00	0.000
88833	2027	П	ORH	Elk River	S AM		21827134	22317864	22283974	22142991	0.003	69.306	0.000	288.800	1.130	295.600	0.240
72866	4616	NPD	d d	Elochman Slough		+	0	0	0	0	10,476.702	10.477	122.270		0.000	0.000	0000
2620	2191	SAD	SAM	Escambia-Conecut Rivers	S L	_	2458701	2561140	2250784	2423542	0.020	47.804	27.330	0.000	7.320	0.500	0.000

SHALLOW-DRAFT NAVIGATION PROJECTS:

ACTUAL ORM EXPENDITURES(1990-1994); WATERBORNE COMMERCE(1992-1994);AND AVERGAGE ORM COSTS (1977-1994), AVERAGE TONNAGES (1992-1994) AND O&M COSTS PER TON (TOTAL 733)

									AVEHAGE	AVEHALE: U.S.: (1894.5)	1977-1994	90 O&M	91 O.B.M	92 08/4	93 04#	94 O&H
PWI N	MTMY D	SIG AIG	S PROJECT NAME		ST IYPE	92 TONS	SALTONS	PA.TONS	1992-1994	PER TONS	(1884-\$)	-	(LOOP'S DOLLARS)	ARSI		
74490	2112 SAD	SAJ	Everglades Harbor		FL S	974	1111	0	969	0.001	0000	0.000	0.000	0000	0000	0.000
415	177 NED		Falmouth Harbor	-	MA S	1355	1033	186	1108	15.672	17.369	0.000	0000	0000	0000	0.000
74605	822 SAD	D SAW	Far Creek		NC S	3507	3185	128	2273	33.698	76.608	217.560	360.300	5.650	0.000	0.000
2890	220 NAD	D NAN	Fire Island Inlet	_	S AN	0	0	0	0	1,196,397.209	1,196.397	1,559.960	51.500	1,514.800	2,715.400	1,414.730
73583	431 NAD	D NAB	Fishing Bay	2	MD S	2239	2060	319	1539	62.931	96.871	486.370	0.000	0.000	0000	0.000
73584	483 NAD	D NAB	Fishing Creek	-	S QW	2653	1065	0	1239	98.216	121.723	17.430	402.300	38.020	0000	0.000
5970	2193 SAD	D SAM	Fly Creek	4	AL S	0	O	0	0	46,447.666	46.448	86.870	0.000	0.000	87.600	179.300
6220	2114 SAD	П	Fort Myers Beach		S II	2074	16063	17775	11971	4.548	54.448	0.000	0.000	0.000	7.900	14.870
6610	3779 NCD	П	Fox River	>	S iw	0	0	0	0	1,955,793.712	1,955.794	1,461.850	1,708.100	1,681.000	1,583.000	1,792.890
6200	2247 LMD	NWI G	Freshwater Bayou		S AJ	199683	452737	394652	349024	4.587	1,600.949	2,572.860	1,964.500	1,039.880	1,378.600	1,989.820
72794	4873 NPD	Т	Gastineau Channel		AK S	•	0	0	0	1,112.094	1.112	0.000	0.000	0.000	0.000	0.000
73686	215 NAD		Glen Cove Creek	_	NY S	108720	143830	178070	143540	0.053	7.638	0.000	0.000	0.000	0.000	0.000
999	1332 NAD		Goose Creek	_	S QW	0	0	0	0	737.778	0.738	0.000	0.000	0.000	0.000	0.000
0699	2040 SAD	D SAM	Grand Lagoon		FL S	0	0	0	0	109.778	0.110	0.000	0.000	0.000	0.000	0.000
0929	2400 SWD	/D SWF	Grapevine Lake	-	TX S	0	0	0	0	61,745.211	61.745	70.000	17.700	17.500	36.200	24.100
24920	4682 NPD	ddN Q	Grays River	_	WA S	0	31	0	10	0.097	0.000	0.000	0.000	0.000	0.000	0.000
74471	853 SAD		Great Pee Dee River	0,	SCS	9	3	-	3	0.300	0.000	0.000	0.000	0.000	0000	0.000
60570	221 NAD	D NAN	Great South Bay	-	NY S	9741	10280	10620	10214	8.038	82.095	0.000	100.000	357.690	1,162.500	0.090
6920	1175 NED	П	Green Harbor		MA S	0	-	-	-	275,620.545	183.747	180.400	318.000	113.270	386.400	253.900
73692	527 NAD	D NAN	Greenport Harbor		NY S	0	4614	0	1538	0.001	0.000	0.000	0.000	0.000	0.000	0.000
20860	677 NAD	Г	Greenvale Creek		VA S	9	8	0	3	0.333	0.000	0.000	0.000	0.000	0000	0.000
780	677 NAD	T	Greenvale Creek, Lane County		VA S	9	3	0	3	5,794.429	17.383	0.000	192.000	0.000	0000	19.800
7040	319 NED	Г	Greenwich Harbor		CT S	2129	9256	0	3902	0000	0.000	0.000	0.000	0.000	0.000	0.000
46103	3714 NCD	D NCE	Greilickville Harbor		S	221365	220931	282227	241508	0.021	5.146	0.000	0.000	0.000	0.000	92.630
239	307 NED	D NED	Guilford Harbor		CT S		0	0	0	18,620.556	18.621	0.000	0.000	0.000	0.000	335.170
87619	POD	П	Haleiwa Small Boat Harbor				0	0	0	7,437.717	7.438	0.000	0.000	0.000	0.000	0.000
74701	4386 SPD	NdS Q	Hatf Moon Bay Harbor	Ŭ	CA S	4813			1604	101.538	162.900	0.000	0.000	0.000	0.000	0.000
72918	4716 NPD	Г	Hammersley inlet		WA S	311952	384438	499939	398776	0.007	2.856	5.800	7.000	8.580	0.000	0.000
73775	5738 NAD	D NAO	Hampton Creek		VA S	206447	378156	400092	328232	0.152	49.881	0.000	0.000	0.000	0.000	0.000
39063	1167 NED	O NED	Hampton Harbor	-	SH	0	0	0	0	82,501.392	82.501	0.000	0.000	0.000	0.000	0.000
74258	NCD	D NCR	Hannibal Small Boat Harbor		MO S		0	0	0	3,423.282	3.423	0.000	0.000	0.000	0.000	0000
443	1275 NED	D NED	Harbor of Refuge at Sandy Bay		MA S	10	7	80	10	0.103	0.000	0.000	0.000	0.000	0.000	0000
53550	3614 NCD	NCE NCE	Harrisville Harbor		S		•	0	0	31,983.553	31.984	0.000	0.000	0.000	174.700	86.200
7380	626 SAD	D SAS	Hartwell Lake		GA S	0	0	0	0	137,170.569	137.171	54.000	105.000	108.800	21.600	125.900
522	303 NED	D NED	Hay (West Harbor), Fisher's Island		NY S	2039	2027	2065	2044	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7440	2293 LMD	ID CMM			AR S	2185788	1343283	1989408	1839493	0.188	346.472	257.850	180.200	416.120	221.100	168.310
73695	514 NAD	Г	Hempstead Harbor		S AN	677617	835337	1006382	839779	0.007	6.040	70.080	40.000	0.000	0.000	0000
73585	484 NAD	N NAB	Herring Bay & Rockhold Creek	_	S QW		0	0	0	61,570.502	61.571	4.880	0.000	0000	58.500	249.000

SHALLOW-DRAFT NAVIGATION PROJECTS:

ACTUAL O&M EXPENDITURES(1990-1994); WATERBORNE COMMERCE(1992-1994);AND AVERGAGE O&M COSTS (1977-1994), AVERAGE TONNAGES (1992-1994) AND O&M COSTS PER TON (TOTAL 733)

									AYENANE	AVERAGE CLZS	AVGORM					
					Contraction of				TOMO	f 4004 Et	1007 4001	110000	May 30			
MENN	M	DKS	PROJECT NAME	. 13	IYE	92 TONS	RATORS	94 TONS	1992-1994	PER TONS	(1994 5)		(TOOUS DOLLARS)	54 DAM	#80 cs	SA Com
473	NAD	NAB	Herring Creek		s	0	0	0	-		1000	0000	200			
473	NAD	NAB	Herring Creek, Tall Timbers		S	0	0				3.404	0000		0000	0.000	0000
74496 2126	SAD	SAJ	Homosassa River	교	S	1217	1686	0	896		0.000	0000		0000	0.000	0000
428	NAD	NAB	Honga River, Tar Bay	ş	S	18170	22893	7249	16104		2	1.041.240	0.00	0.030	77 600	33,600
733	NAD	NAO	Horn Harbor	<u>8</u>	S	25	42	11	36			110.630	0.200	0000	000	0000
2131	SAD	SAJ	Horseshoe Cove	F	s	1611	096	0	857			0.000	0.000	0000	0.500	29.610
929	NAD	NAO	Hoskins Creek	٧A	s	64200	27700	82862	68254	0.144		0.000	0000	0000	900	0000
519	NAD	NAN	Huntington Harbor	ž	s	0	0	0	0	647.778		0000	0000	0000	1000	0000
176	NED	NED	Hyannis Harbor	MA	s	111403	120650	0	77351	0.509	"	0000	225 400	ľ	0.80	0000
235	NAD	NAP	Indian River Inlet and Bay	핌	s	0	0	0	0	190,667.577		103.050	475.500		2 500	243 070
	NCD	NCE	Inland Route	¥	S	0	0	0	0	35,553.467	35.553	29.860	29.200		24 200	57 880
2062	SAD	SAJ	Intra WW, Caloosahatchee R.to Anclote R	교	s	805121	1215418	887602	969380	9.386	373,765	36.260	63.800	47.570	79.200	204 800
	NCD	NCB	Irondequoit Bay	ž	s	0	0	0	0	52,610,707	52.611	0.000	26.200	36.800	522 400	0.340
421	NAD	NAB	Island Creek	QW S	s	249	700	240	396			0000	0.000	0000	0000	0000
73588 472	NAD	NAB	Island Creek-St George Island	MD	S	0	0	0	0	32,215.169		0.030	0.000	0.300	0000	33 160
	NED	NED	Island End River	MA	S	0	0	462839	462839	0.000	0.000	0.000	0.000	0000	0000	0000
	T	NED	Isle Au Haut Thoroughfare	ME	S	263	794	301	453	22.597	10.229	0.000	0.000	0.000	0000	0000
	\neg	NAP	IWW, Chincoteague Bay to Delaware Bay	띰	S	0	0	0	0	4,158.552	4.159	16.030	0000	0.100	0000	0000
2047		SAJ	IWW, Miami to Key West		S	0	0	664486	664486	0000	0000	0.000	0.000	0.000	0.000	0.000
237	NAD NAD	NAP	IWW, Rehoboth Bay to Delaware Bay		S	0	0	0	0	212,374.727	212.375	31.220	40.800	119.970	187.500	1.903.200
642	- 1	NAO	Jackson Creek	\neg	S	06	20	88	99	0.015	0.000	0.000	0.000	0.000	0.000	0.000
2179	Т	SAJ	Johns Pass, Pinellas County		S	0	0	0	0	179,173.448	179.173	189.100	265.000	0.000	670.400	60.720
226	MAD	NAN	Jones inlet	\neg	s	4400			1467	32.359	47.460	73.000	3,510.600	0.000	0000	0000
97	Т		Josias River	\neg	S	0	0	0	0	11,016.667	11.017	0.000	0.000	0.000	0000	198.300
\perp		A P	Juneau Harbor	\neg	S	163151	193313	222429	192964	0.033	6:399	0.000	0.000	0000	0.000	0.000
3210	\top	S I	Kelley's Island Harbor	\neg	S	564373	564011	521228	549871	0.000	0000	0.000	0:00	0.000	0000	0.000
25 0000	NED.		Kennebunk River	\neg	S	0	0	0	0	35,740.817	35.741	0.000	9.500	0.000	0000	0000
100	CAD:	NAN	Кеуроп нагрог	_	s	0	0	0	0	68,218.271	68.218	548.810	29.400	0000	0000	0.000
418	Т	NAB	Knapps Narrows	\neg	S	0	3	0	1	129,698,121	129.698	4.280	0.000	464.230	24.000	0.000
3925	Т	빌	Knife River Harbor	\neg	S	0	0	0	0	5,732.556	5.733	0.000	0.000	0000	0.000	0.000
673	Т	SAW	Knobbs Creek	\neg	S	34117	36097	106061	58758	0.000	0000	0.000	0.000	0000	0.000	0000
2188	Т	SAM	La Grange Bayou	교	s	210648	214340	237039	220676	0.020	4.317	0.000	2.300	7.300	0000	7.900
3864	Т	Se l	La Pointe Harbor	\neg	s	14964	21628	20255	18949	0.701	13.277	0.000	41,200	70.000	0.700	0.040
73590 422	Т	NAB	La Trappe River	S S	S	0	0	0	0	1,410.739	1.411	0.000	0.000	0000	0000	0.000
3858	Т	S S	Lac La Belle Harbor	\neg	S	0	0	0	0	31,828.994	31.829	0.000	0000	0000	0000	93.410
670	П	NA0	Lafayette River	VA S	S	13131	1003	0	4711	4.037	19.022	0000	0000	47.900	326.000	2.700
1324	Т	밁	Lagoon Pond, Martha's Vinyard	MAS	S	11	80	0	80	518.001	4.317	0000	2.300	7.300	0000	7.900
88812	NCD	SS	Lake City Small Boat Harbor		-	ľ										

SHALLOW-DRAFT NAVIGATION PROJECTS:

ACTUAL ORM EXPENDITURES(1990-1994); WATERBORNE COMMERCE(1992-1994);AND AVERGAGE ORM COSTS (1977-1994), AVERAGE TONNAGES (1992-1994) AND O&M COSTS PER TON (TOTAL 733)

				1							ı				
								AVERAGE	AVERAGE COST	AVG O&M					
								TORS	(\$ 5661.)	1977-1994	M20 06	91 O&M	92.0818	95 044	M-00.M
DKI.	IC XILIN	DIY DIS	PROJECT NAME	SI TIPE	E 92 TOMS	S SETURE	SHOT 98	1992-1994	PER TONS	(1694 \$)	T	(LOOP'S DOLLARS)	ARSI		
6	Z	ž	Lake Montauk Harbor		L	0	0	0	48,465.930	48.466	23.670	213.100	76.900	100.000	96.850
9360	2269 LMD	I	Lake Providence Harbor		680170	170 489318	113258	627582	0.371	232.663	234.770	125.500	61.640	2.800	174.600
72868	4685 NPD	MPP	Lake River	WA S	4	4041 3858	5216	4372	0.800	3.497	0.000	0.000	0000	0000	0000
73855	245 NAD	O NAP	Leipsic River	DE S		0	0 10	10	0.100	0.000	0.000	0.000	0000	0.000	0.000
46018	3716 NCD	NCE	Leland Harbor	S W		0	0	0	141,794.036	141.794	120.920	194.000	133.720	114.700	109.350
9700	4632 NPD	NPP	Lewis River	WA S		0	0	0	16,879.383	16.879	0.000	0.000	0000	0.000	0000
10220	2340 ORD	D ORL	Licking River Open Channel	S Y		0 1126442	15	375481	0.019	7.090	12.310	13.000	14.700	17.000	19.000
74855	SWD	D SWG	Little Bay	S X		0	0	0	21,829.444	21.829	0000	0:000	0000	0.000	0.000
189	CMD	LMN	Little Caillou Bayou	N S		0	0 401387	401387	0000	0.000	0.000	0.000	0.000	0.000	0.000
73591	412 NAD	П	Little Creek, Kent Island			317 33	332 505	385	0.003	0.000	0.000	0.000	0.000	0.000	0.000
209	136 NED	O NED	Little Harbor	S E		0	0	0	4,806.667	4.807	0.000	0.000	0000	0000	86.520
71536	2346 ORD	D ORH	Little Kanawha River	S AM		0	0 173840	173840	0000	0.000	0.000	0.000	0.000	0.000	0.000
73779	610 NAD	П	Little Machipongo River	VA S		100	261 0	120	238.780	28.733	0.000	0.000	0.000	0.000	0.000
562	301 NED	Г	Little Narragansett Bay	S.		0	0	0	172.944	0.173	0.000	0.700	0000	0000	0.000
0066	350 NAD	ı	Little Neck Bay	s ¥		0 6843	43 0	2281	0000	0.000	0.000	0.000	0.000	0.000	0.000
73856	243 NAD		Little River	DE S		0	0	0	1,572.628	1.573	0.000	0.000	0.000	0.000	0.000
0866	451 NAD		Little Wicomico River	VA S		0	0	0	113,316.366	113.316	206.870	83.400	0.700	40.300	256.440
10020	848 SAD	D SAW	Lockwoods Folly River	NC S	¥	10588 5050	20 366	5335	103.839	553.948	584.310	541.100	663.450	2,143.900	688.100
10040	218 NAD	T	Long Island Intracoastal Waterway	NYS		0 16	1632 848	827	737.081	609.321	0.220	245.000	669.820	2,793.200	208.420
23100	2216 SAD		Longboat Pass	F.S		4083 4183	83 0	2755	58.273	160.561	162.030	824.100	0.430	28.000	77.570
288	466 NAD		Lower Machedoc Creek	VA S		2474 2378	1333	2062	0.000	0.000	0000	0000	0.000	0000	0.000
73592	440 NAD	П	Lower Thorotare, Deal Island	S QW		407	25 11	148	296.094	43.723	0.000	0.000	0.000	0000	0.000
73593	708 NAD	1	Lowes Wharf	S	_	0	0	0	19,370.672	19.371	0.000	0.000	0.000	0000	0.000
354	2 NED	O NED	Lubec Channel	MES		0	40 230401	76814	0:000	0.000	0.000	0.000	0.000	0000	0.000
80731	870 SAD	D SAC	Lynches River	SC		0	0	0	5,382.767	5.383	0.000	0000	0.000	0000	0.000
10310	675 NAD	D NAO	Lynnhaven Inlet	VA S		2425	61 1046	1177	204.223	240.439	87.020	726.700	0.000	80.700	681.840
99999	3622 NCD	Г	Mackinac City Harbor	S	17.	173896 101116	16 0	91671	0000	0.000	0.000	0.000	0.000	0000	0.000
74211	3624 NCD	D NCE	Mackinac Harbor	S	124	128436 161688	10887	100337	1.017	102.009	0.000	0.00	0000	0000	0.000
87062	NAD	D NAB	Madison Bay	S QW		0	0	0	1,170.400	1.170	0.000				
87168	2267 LMD	D	Madison Parish Port	S AJ	16,	162167 140157	57 257134	186486	0.241	44.936	22.590	0.000	4.000	8.500	0.000
41005	343 NAD	D NAN	Manaroneck Harbor	N _Y		0	0	0	43,510.453	43.510	728.500	77.900	20.000	0.000	0.00
10450	287 NAD	D NAP	Manasquan River	3		439 7	772 482	264	258.012	145.605	0.000	197.400	34.900	72.700	336.500
22770	2118 SAD	D SAJ	Manatee River	F.		6362 40	4077	3480	0.000	0.000	0.000	0:00	0.000	0.000	0.000
87401	PO	0 0	Manele Small Boat Harbor	S E		0	0	0	47,171.351	47.171	0.000	0.000	0.000	0.000	0.000
73594	441 NAD	D NAB	Manokin River	S		1249 15	1572 964	1262	0.001	0.000	0.000	0.000	0.000	0000	0.000
10580	767 SAD	D SAW	Manteo (Shallowbag) bay	SC	8	30529 33093	93 3675	22432	187.484	4,205.707	4,746.170	8,210.300	6,100.400	6,437.400	2,063.400
10410	378 NAD	D NAN	Matawan Creek	S		0	0	0	8,836.272	8.836	89.290	30.900	0.000	0000	0.000
356	113 NED	D NED	Matinicus Harbor	MES		34	63 220	106	0.009	0.000	0.000	0000	0.000	0.000	0.000

SHALLOW-DRAFT NAVIGATION PROJECTS:

ACTUAL O&M EXPENDITURES(1990-1994); WATERBORNE COMMERCE(1992-1994); AND AVERGAGE O&M COSTS (1977-1994), AVERAGE TONNAGES (1992-1994) AND ORM COSTS PER TON (TOTAL 733)

										AVERAGE	AVERAGE COST	AVG O&M					
										TORS	(1994-4)	1977-1994	90 O&H	HYO 16	92 OAH	83 O&M	94.08.14
Figure	i i	AEG	SE	PROJECT NAME	. 15	IN	92 TOHS	SI TONS	94 TORS	1992-1984	PER TOHS	(1894 \$)		11,000°S DOLLARS)	LLARS		
41082		523 NAD	NAN	Mattituck Harbor	λN	S	0	0	0	0	51,784.360	51.784	326.160	0 27.900	0000	65.000	69.200
73841		268 NAD	NAP	Maurice River	2	S	874	381	517	591	7.611	4.496	0.000			0000	52.200
74610		805 NAD	NAO	Meherrin River	Š	S	0	0	0	0	453.289	0.453	0.000	0000	0000	0.000	0.000
22250	^	2106 SAD	SAJ	Melbourne Harbor	교	S	2156	2922	1894	2334	19.702	45.983	0.000	0000	0000	0.000	0.000
427		44 NED	QED.	Menemsha Creek, Martha's Vineyard	WA	S	6	2	89	27	424.297	11.597	0.000	0.000	0000	0000	0000
243		318 NED	NED	Mianus River	5	S	0	0	0	0	32,600.322	32.600	0.000	0000	0000	0.000	0000
73595		402 NAD	NAB	Middle River, Dark Head Creek	QW	S	230		800	343	0.003	0.000	0000	0000	0.000	0.000	0.000
244		310 NED	NED	Milford Harbor	ဌ	S	0	0	0	0	56,432.569	56.433				0.000	0.000
589	\sqcup	643 NAD	NAO	Milford Haven	٧A	S	189	190	187	189	0.005	0.000	0000	0000		0000	0.000
591	640	NAD	NAO	Mill Creek	٧A	S	44	7	7	19	0.052	0.000	0000	0000	0000	0000	0.000
88826		NCD	NCR	Mill Creek and South Slough	밀	S	0	0	0	0	1,701.976	1.702	1,050	0 2.700		0.400	4.500
11250		342 NAD	NAN	Milton Harbor	ÿ. <u>}</u>	S	0	0	0	0	88,159.667	88.160	<u> </u>			1.110.000	0.030
11310		2324 NCD	NCS	Minnesota River	N.	S	5449046	3194407	4117783	4253745	0.033	142.092				21.600	20.830
73857		240 NAD	NAP	Mispillion River	DE S	S	0	8	70	50	4,641.368	232.068			Ĺ	469.700	1,825.180
265		725 NAD	NAB	Monroe Bay Creek	٧٨	S	12	2	0	1CO	5,177.325	24.161	0000			54.000	41.100
11790	4325	SPD	SPN	Monterey Harbor	₹ S	S	8836	20638	0	9825	7.327	71.990				829.700	538.300
493	2009		LMK	Mouth of Yazoo River	MS 8	S	2501678	2264461	2717256	2494465	0.010	24.388	107.850			45.000	0.000
99984			N	MR&T-Baton Rouge Harbor	4	S	0	0	0	0	248,208.944	248.209	206.000	0 170.000	21.000	0000	230.000
28666	2271	Q)	E	MR&T-Greenville Harbor	SW.	S	0	2723546	2429742	1717763	0.173	296.757	159.000	0 216.000	94.000	0000	269.000
99983	2276	9	E	MR&T-Vicksburg Harbor		S	4096105	4384220	5107967	4529431	0.036	162.752	137.000	0 157.000	107.000	0000	217.000
40025	1234	NAD	NAB	Muddy Hook/Tyler Coves	QW	S	0	0	0	0	34,463.299	34.463	240.270			0.000	0.000
593		631 NAD	NAO	Mulberry Creek		S	69	32	19	40	0.025	0.000	0.000	00000	0000	0.000	0.000
593		631 NAD	NAO	Mulberry Creek	۷,	S	0	0	19	19	0.053	0.000	0.000	0000	0000	0000	0000
12020	241		NAP	Murderkill River	삠	s	0	0	0	0	104,889.533	104.890	20.080	0 329.000	33.050	31.100	54.710
88828			NCR	Muscatine Harbor		s	0	Q	0	0	13,930.668	13.931	0:000	0000	0000	0000	160.600
72756	4828		NPA	Naknek River	¥	S	64819	82321	61344	69495	0.000	0.000	0000		0.000	0000	0.000
73784	665		NAO	Nansemond River	\$	s	130			43	771.992	33.453	0000	0000	0000	0000	322.420
73564		NAD	NAB	Nanticoke River At Nanticoke	QW	S	0	0	0	26	0.039	0.000		0000	0000	0000	0.000
22690		433 NAD	NAB	Nanticoke River & Tributaries		S	0	0	1804	109	0.909	0.547	0.000	00000	0000	0000	0.000
73565		434 NAD	NAB	Nanticoke River at Bivalve		s	0	0	0	0	735.133	0.735	0000	0000	0000	00:00	0.000
73549	432	MAD	NAB	Nanticoke River Northwest Fork		S	339257	466493	528749	444833	0.599	266.536	407.730	0000	4,470.000	0.000	50.440
12200	207	ξ	NAN	Narrows of Lake Champiain	ž	S	86711	10651	3379	33580	1.301	43.686	64.850	40.000	40.020	37.400	45.520
67314		4706 NPD	NPS	Neah Bay	WA	S	205		3141	1214	114.511	139.055	0000	0000	0000	0000	0.000
73566	\perp	459 NAD	NAB	Neale Sound		s	601		225	275	159.348	43.874	111.370	0 443.300	0.240	0.200	0.200
82121	4691	S S	MPP	Nehalem Bay		s	0	0	0	0	752.544	0.753	0000	0000	0000	0000	0.000
74612	831	SAD	SAW	Neuse River	SC SC	S	105880	100756	121768	109468	0.001	0.119	0.000	0000	0000	0000	0.000
1020	\perp	3744 NCD	NCE	New Buffalo Harbor		S	0	0	0	0	179,082.416	179.082	1	0 357.200	=	12.500	534,020
8190		5000 NAD	NAP	New Jersey Intracoastal Waterway	N.	s	89312	45600	40907	90985	31,459	1,843.677	26.380	0 2,448.400	3,213.970	1,713.000	2,358.790
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SHALLOW-DRAFT NAVIGATION PROJECTS:

ACTUAL O&M EXPENDITURES(1990-1994); WATERBORNE COMMERCE(1992-1994);AND AVERGAGE O&M COSTS (1977-1994), AVERAGE TONNAGES (1992-1994) AND O&M COSTS PER TON (TOTAL 733)

FM	ST TYPE					TOBIC		1977-1994	#80 CB	94 0 8 8	92.0&M	93 04#	94 O&H
KTRY ADI SAJ New Pass Sarasola 7760 2015 SAJ New Prass Sarasola 7760 2018 SAJ New Brochelle Harbor 7760 2018 NAD New Brochelle Harbor 7760 208 NAD New Brochelle Harbor 7760 208 NAD New Brochelle Harbor 7770 314 NAD New Brochelle Harbor 740 208 NAD New Brochelle Harbor 740 208 NAD New Brochelle Harbor 741 AFB NAD New Brochelle Harbor 742 AFB66 NPA Ninitichik Harbor 743 AFB Northeast River 744 AFB Northeast River 745 AFB Northeast River 746 AFB Northeast River 747 AFB Northeast River 748 AFB Northeast River 749 AFB Northeast River 740 NAD <td< th=""><th></th><th></th><th></th><th></th><th></th><th>1</th><th>(本語) (本語)</th><th></th><th></th><th>Here is</th><th></th><th></th><th>- CONTRACTOR SOUTH</th></td<>						1	(本語) (本語)			Here is			- CONTRACTOR SOUTH
823 2215 SAD SAA New Pass Sarasota 876 2019 SAD SAA New Broer 876 2019 SAD NAN New Prock St Barge Canal In I			22 TONS	STONE	SKIDKE	1992-1994	PER TOHS	(1884.5)		(1.000'S DOLLARS)	LARSI		
2019 SAD New River 346 NAD NAN New Pock Rechele Harbor 206 NAD NAN New York St Barge Canal N 206 NAD NAN New York St Barge Canal N 5736 NAD NAN New York St Barge Canal N 5736 NAD NAN Newport News Creek N 484 NAD North Cove N N 464 NAD North Cove N N N 465 NAD North Cove N N N N 465 NAD NAD North Cove N	FL S	L	31	116	20	99	4,487,459	294.676	1,062.380	182.800	0.020	54.400	305.800
346 NAD NAN New Rochelle Harbox 206 NAD NAN New Fock St Barge Canal I 3139 NED New Duryport Harbox I 5736 NAD NAPPORT New S Creek I 4841 NPA Ninichlik Harbox I 4848 NPA Nonini Bay and Creek I 4849 NAD North cove I 105 NED North cove I 106 NAD North cove I 107 NAD North cove I 108 NAD North cove I 109 NAD North cove I 100 NAD North cove I			0	0	-	1	1.000	0000	0.000	0000	0.000	0.000	0.000
206 MAD NAM New York St Barge Canal 139 NED Newburyport Harbor 5736 MAD Newport News Creek 3224 NCD NCB Niagara River 4641 NPA Ninlichik Harbor NA 4668 NPD NPA Ninlichik Harbor 4668 NPD North Cove 467 NAD Northeast Harbor 105 NED Northeast River 404 NAD Northeast River 408 NAD Northeast River 409 NAD Northeast River 521 NAD Northeast River 522 NAD Northeast River 523 NAD Northeast River 524 NAD Northeast River 525 NAD Northeast River 526 NAD Northeast River 527 NAD Northeast River 528 SAD Northeast River 520 NAD Nor	S ¥	-	0	0	o	0	3,991.756	3.992	19.950	40.000	0000	0.000	0.000
439 NED Newtourport Harbor 5736 NAD Newport News Creek 4841 NPD NCB Niagara River 4848 NPD NPA Ninilichik Harbor 4868 NPD NPA Ninilichik Harbor 4868 NPD NPA Ninilichik Harbor 464 NAD Northeast Harbor Northeast River 464 NAD Northeast River Northeast River 408 NAD Northeast River Northeast River 409 NAD Northeast River Northeast River 521 NAD Northeast River Northeast River 409 NAD Northeast River Northeast River 4394 SPD SPW Northeast River 450 NAD NAD Occoquan Creek 450 NAD NAD Occoquan Creek 450 NAD Northeast River NAD 450 NAD NAD Occoquan Creek 450 NAD	NY S		0	0	0	292	0.003	0000	0.000	0.000	0.000	0.000	0.000
9736 MAD NAMO Newport News Creek 4841 NCD NCB Misgara River 4868 NPD NPA Minlichik Harbor 4668 NPD NPA Minlichik Harbor 467 NAD Northeast Harbor 105 NED Northeast River 404 NAD Northeast River 408 NAD Northeast River 409 NAD Northeast River 400 NAD Northeast River 521 NAD Northeast River 522 NAD Northeast River 523 NAD Northeast River 524 NAD Northeast River 525 NAD Northeast River 526 NAD Northeast River 527 NAD Northeast River 528 NAD Oncachole Waterway 529 NAD Oncachole Waterway 520 NAD Oncachole Waterway 520 NAD <td< td=""><td>Т</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>194,488.751</td><td>194.489</td><td>293.480</td><td>567.400</td><td>1.010</td><td>419.100</td><td>0.690</td></td<>	Т		0	0	0	0	194,488.751	194.489	293.480	567.400	1.010	419.100	0.690
484 NCD NCB Niagara River 484 NPD NPA Ninificilik Harbor 486 NPD NPA Ninificilik Harbor 486 NPD NPA Nonth Cove 1273 NED North Cove 16 NED Northeast Harbor 404 NAD Northeast River 408 NAD Northeast River 409 NAD Northeast River 400 NAD NAD 400 NAD Northeast River 401 NAD Northway River 402 NAD NAD AND Northway River 4394 SPD SPW NAD Northway River 450 NAD NAD ASD NAD ASD SAW Occoquan Creek 450 NAD NAB Occode Harbor 450 NAD NAD	VA S		2210	55	42	169	12.442	9.568	0000	0000	196.250	0.100	0.000
484 I NPD NPA Minitichik Harbor 486 I NPD NPA Minitichik Harbor 464 I NAD NAB Northin Bay and Creek 106 I NED North Cove 106 I NED North Cove 40A NAD Northeast River 40A NAD Northeast River 40A NAD Northway River 40A NAD Northway River 40A NAD Northway River 40A NAD Northway River 40B NAD Northway River 40B NAD Northway River 40B NAD Northway River 40B NAD Occodannock Creek 450 NAD Northway River 450 NAD Northway River 450 NAD Okasenbake Waterway 2102 SAD Okasen City Harbor 450 NAD Okasen City Harbor 450 NAD Okasen Chamel 450 NAD Okasen Chamel <td>S ¥</td> <td></td> <td>669784</td> <td>569561</td> <td>286169</td> <td>508505</td> <td>0.000</td> <td>0.000</td> <td>0.000</td> <td>0000</td> <td>0.000</td> <td>0.000</td> <td>0.000</td>	S ¥		669784	569561	286169	508505	0.000	0.000	0.000	0000	0.000	0.000	0.000
468 NPD NPA Nome Harbor 464 NAD NAB Northin Bay and Creek 105 NED North Cove 106 NED Northeast Fliver 404 NAD Northeast River 404 NAD Northeast River 404 NAD Northeast River 408 NAD Northeast River 409 NAD Northeast River 400 NAD Northeast River 400 NAD Northeast River 400 NAD Northeast River 400 NAD Northeast River 450 NAD Northeast River 450 NAD Northeast River 450 NAD Northeast River 2048 SAD Okachobee Waterway	AKS		0	32	87	27	8,614.618	229.723	159.540	1.010	159.600	192.100	191.330
464 NAD NAB Womlini Bay and Creek 1273 NED North Cove 106 NED North Cove 40A NAD NAD 40A NAD Northeast River 40A NAD Northeast River 40A NAD Northeast River 521 NAD Northeast River 40A NAD Northeast River 40A NAD Northeast River 4394 SPD NAD ACD NAD Northeast River ACD NAD Northeast River ACD NAD Occopann Creek ACD NAD Northeast River ACD NAD Northeast River ACD NAD Organ Creamel	AKS		24023	36770	74902	45232	11.879	537.324	158.880	2.760	241.890	330.900	182.260
1273 NED North Cove 106 NED Northeast Harbor 404 SAD SAW Northeast River 404 NAD NAB Northeast River 521 NAD NAM Northoort Harbor 314 NED Norwalk Harbor Northoort Harbor 4394 SPD SPW Northoort Harbor 4394 SPD SPW Northoort Harbor ACD NCB Oak Orcharth Greek Oak Orcharth Greek 450 NAD Oacothannock Creek Active Harbor 450 NAD NAD Occothannock Creek 450 NAD NAD Occothannock Creek 450 NAD NAB Occaton City Harbor 2102 SAD SAA Oktewaha River 2102 SAD SAA Oktewaha River 2102 SAD NAD Onal Harbor 666 NAD NAD Onal Harbor 667 NAD Pamilco and Tar Rive	V S		292	908	0	364	2.109	0.768	0.000	0000	0000	0000	0:00
106 NED Northeast Harbor 404 SAD SAW Northeast Cape Fear River 404 NAD NAB Northeast River 521 NAD Northeast River 314 NED Norwark Harbor 314 NED Northwark Harbor 4394 SPD Northwark Harbor 4394 SPD Northwark Harbor 400 NAD Occohannock Creek 450 NAD Occohannock Creek 451 NAD Occohannock Creek 452 NAD NAD Occohannock Creek 450 NAD Occohannock Creek 451 NAD Occohannock Creek 452 NAD Occohannock River 204 NAD Occohannock River 204 NAD Oranocock River 66 NAD Oranocock River 66 NAD NAD Oranocock River 66 NAD NAD Pamitco and Tar Rivers 66<	CT S		0	0	0	0	75,042.288	75.042	000'0	178.600	412.860	343.600	25.100
844 SAD NATHORSE Cape Fear River 40A NAD NAB Northoast River 521 NAD NAN Northoart Harbor 314 NED Norwalk Harbor 4394 SPD Northoart Harbor 4394 SPD Northoart Harbor 4394 SPD Northoart Harbor 450 NAD Occopannock Creek 451 NAD Occopannock Creek 452 NAD NAB Occopannock Creek 450 NAD NAB Occopannock Creek 451 NAB Occopannock Creek 452 NAD NAB Occopannock Creek 453 NAD NAB Occapannock Creek 2048 SAJ Okean City Harbor & Inlet & Sinepuxent Bay 2102 SAD SAJ Okean Channel 2103 NAD Okean Channel 2204 NAD Organical Harbor 221 NAD Pamitoc and Tar River 245 NAD <td>т</td> <td></td> <td>45</td> <td>180</td> <td>4587</td> <td>1604</td> <td>0.001</td> <td>0000</td> <td>0.000</td> <td>0.000</td> <td>0000</td> <td>0.000</td> <td>0.000</td>	т		45	180	4587	1604	0.001	0000	0.000	0.000	0000	0.000	0.000
40A NAD NAB Northeast River 521 NAD NAD Northeast River 314 NED Norwalk Harbor 4394 SPD NAD Northowar River 4394 SPD SPN Noy0 River Harbor 4394 SPD SPN Noy0 River Harbor 608 NAD OAC Occohannock Creek 450 NAD OAC Occohannock Creek 451 NAD OAC Occohannock Creek 452 NAD NAB Occaduan Creek 450 NAD NAB Occaduan Creek 450 NAD NAB Occaduan Creek 450 NAD NAB Occaduan Creek 2048 SAD Occaduan Creek 2102 SAD Occaduan Creek 2102 SAD Occaduan Creek 2103 NAD Ond Harbor 666 NAD Ond Harbor 667 NAD Ond Harbor 668 NAD	1	_	613269	602846	638409	618175	0000	0000	0.000	0.000	0000	0000	0.000
\$21 MAD NAM Northport Harbor 314 NED Norwalk Harbor 4394 SPD Northowar River 4394 SPD SPN ACD NCB Oak Orchartock Creek ACD NCB Oak Orchartock Creek 454 NAD Oacoquan Creek 450 NAD Oacoquan Creek 450 NAD Oacoquan Creek 450 NAD Oacoquan Creek 450 NAD Oacoquan Creek 2048 SAD Oacoquan Creek 2048 SAD Oacocke Inlet 2048 SAD Oacocke Inlet 2048 SAD Oacocke Inlet 2102 SAD SAA Olocat Harbor 2102 SAD Oacocke Inlet Agan River 666 NAD NAO Oacocke Inlet 667 NAD Oacocke Inlet Agan River 668 NAD NAO Oacocke Inlet 669 <t< td=""><td>S</td><td></td><td>2</td><td>0</td><td>0</td><td>3</td><td>16,238.400</td><td>54.128</td><td>0000</td><td>0.000</td><td></td><td>58.300</td><td>55.000</td></t<>	S		2	0	0	3	16,238.400	54.128	0000	0.000		58.300	55.000
314 NED Norwark Harbor 4394 SPD Northwark Harbor 4394 SPD SPN Northwark Harbor 608 NAD Orchard Flarbor SPN No.00 Fliver Harbor 608 NAD NACB Oachannock Creek Oachannock Creek 454 NAD NAB Occaquan Creek Oachannock Creek 450 NAD NAB Occaquan Creek Oachannock Treek 450 NAD NAB Occaquan Creek Oachannock Fliver 2048 SAD Okawaha River Oachannock River 2102 SAD Oachannock River Oachannock River 4933 IND NAO Oarancock River 666 NAD NAO Oarannock River 666 NAD NAO Oarannock River 669 NAD NAO Oarannock River 669 NAD Parantico and Tar Rivers 669 NAD Parancas Harbor 669 NAD Parker Creek	NY S		0	\$	4373	1461	2.386	3.487	0000	50.000	0.000	0000	0.000
4394 SPD Nottowery River 4394 SPD SPN Nobyo River Harbor 608 NACD NCB Gak Orchard Harbor 608 NAD Occophannock Creek 454 NAD Occophannock Creek 450 NAD NAB Occophannock Creek 450 NAD NAB Occophannock Creek 450 NAB Occophannock Creek 450 NAB Occophannock Creek 450 NAB Occophannock Creek 2102 SAM Occaduan Crick Harbor Kater 2102 SAD Oktewaha River 2102 SAD Oktewaha River 4933 NPA Old Harbor Kodak Island 666 NAD NAO Orsteld Harbor 666 NAD NAO Organut Tar Rivers 666 NAD Pamuntkey River 667 NAD Pamuntkey River 668 NAD Pamuntkey River 669 NAD Pamuntkey River	CT S	-	540740	474647	446483	487290	0.330	160.632	0.000	0000	0000	0.000	0.000
4384 SPD SFW Noyo River Harbor 60B NAD NAB Occochannock Creek 454 NAD NAB Occochannock Creek 450 NAD NAB Occocquan Creek 450 NAB Occocquan Creek 450 NAB Occocquan Creek 450 NAB Occocquan Creek 829 SAD SAW Occache Infer 2048 SAD Okee-chobee Waterway Occache Infer 2102 SAD Okee-chobee Waterway Occache Infer 2102 SAD Okee-chobee Waterway Occache Infer 3104 NCD Okee-chobee Waterway Occache Infer 4933 NPD NPA Old Harbor Old Harbor 606 NAD NAO Organ Ramore Onancock River 612 NAD NAO Organ Ramore Onancock River 656 NAD NAO Organ Ramore Onancock River 649 NAD Pamunrkey River	VA S	-	0	0	0	0	1,669.649	1.670	0000	12.800	0.000	0.000	0.000
MCD MCB Oak Orchan'd Harbor 608 MAD NAO Occothan'n Creek 454 MAD NAB Occothannock Creek 450 MAD NAB Occothannock Creek 450 MAD NAB Occothannock Creek 2048 SAD Occothannock Creek 2048 SAD Occothannock Creek 2048 SAD Occothannock Creek 2048 SAD Occothannock Fiver 2102 SAD Okkawaha River 3104 NCD NCB Old Harbor 4933 NPD NAO Onancock River 666 NAD NAO Orseola Harbor 666 NAD NAO Pamilso and Tar Rivers 669 NAD NAO Paminisco and Tar Rivers 669 NAD Paminisco and Tar Rivers 669 NAD Paminisco and Tar Rivers 669 NAD Paracea Harbor 7181 SAM Paracea Harbor	CAS		5651			1884	234.517	441.752	496.740	228.600	24.860	470.400	67.800
60B NAD Occohamnock Creek 454 NAD NAB Occohamnock Creek 450 NAD NAB Occohamnock Creek 450 NAD NAB Occohamnock Creek 2048 SAD SAW Occancoke Inlet 2048 SAD Okeavehe River 2102 SAD Okeavehe River 4933 INPD NAB Old Harbor, Kodlak Island 606 IAMD NAO Onancock River 606 IAMD Onancock River 612 IAMD Orseola Harbor 666 IAMD Organ Channel 667 IAMD Organ River 668 IAMD Pamilso and Tar Rivers 669 IAMD Pamunteay River 669 IAMD Pamunteay River 669 IAMD NAO Pamusea Harbor 669 IAMD Pamusea Harbor 669 IAMD NAD Pamusea Harbor 671 IAMD <td< td=""><td>S ¥</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>23,835.712</td><td>23.836</td><td>0000</td><td>140.700</td><td>35.840</td><td>1.000</td><td>0.000</td></td<>	S ¥		0	0	0	0	23,835.712	23.836	0000	140.700	35.840	1.000	0.000
454 NAD NAB Occoquan Creek 450 NAD NAB Occoquan Creek 2048 SAD SAW Ocracoke inlet 2048 SAD Okeechobee Waterway 2102 SAD Okeechobee Waterway 2102 SAD Okeechobee Waterway 4933 NPO Okeechobee Waterway 606 NAD Okeechobee Waterway 607 NAB Okott Harbor 608 NAD Ohd Harbor, Kodiak Island 608 NAD NAO Onancock River 612 NAD NAO Onstee Channel 666 NAD NAO Oyster Channel 666 NAD NAO Pamintosy River 2161 SAM Pamintosy River 2161 SAD Parascea Harbor 2161 SAD Parascea Harbor 2161 NAD Paraker Creek	VA S	-	102	83	85	63	0.011	0.000	0.000	0.000	0.000	0.000	0.000
450 NAD NAB Ocean City Harbor & Inlet & Sinepurent Bay 2048 SAD SAM Ocracoke Inlet 2048 SAD Okeechobee Waterway 2102 SAD Okeechobee Waterway 3104 NCD Okeechobee Waterway 4933 NPO Okott Harbor, Kodiak Island 606 NAD NAO Onancock River LMD IMM Oscoola Harbor 612 NAD NAO Onyster Channel 666 NAD NAO Opster Channel 666 NAD NAO Pamintoan Tar Rivers 849 NAD Pamintoan Tar Rivers 1467 NAD Parascea Harbor 2161 SAM Parascea Harbor 447 NAD Parker Creek	N N		265226	173940	150917	196694		0.179	0000	0000	0.000	0.000	0.000
E29 SAD Ocracoke inlet 2048 SAD Okeechobee Waterway 2102 SAD Okeechobee Waterway 2102 SAD Okeechobee Waterway 3104 NCD Okeechobee Waterway 4933 NPD Okott Harbor, Kodiak Island 606 NAD NAA Old Harbor, Kodiak Island 610 NAA Old Harbor, Kodiak Island 611 NAM Organic Channel 612 NAD NAO Organ Channel 666 NAD NAO Parmitos Channel 667 NAD NAO Parmitos Anticor 668 NAD NAO Parmitos Anticor 669 NAD NAD Parker Creek	S	_	11972	10722	6986	10854	46.017	499.486	379.280	Ŧ	43.910	76.900	65.450
2048 SAD Gkaechobee Waterway 2102 SAD Oklawaha River 3104 NCD NCB Olocut Harbor 4933 NPD NPA Old Harbor, Kociak Island 606 NAD NAO Onarcock River 612 NAD NAO Oracle Harbor 612 NAD NAO Oryster Channel 666 NAD NAO Pagan River 666 NAD NAO Paminkey River 679 SAW Paminkey River 2161 SAD Parascea Harbor 467 NAD NAB Parker Creek	S		11895	15047	229	2062	2.945				0000	0.000	0.000
2102 SAD Okkawaha River 3104 MCD NCB Oloctt Harbor 4933 NPD NPA Old Harbor, Koclist Island 606 NAD Onancock River LMD LMM Oscoola Harbor 612 NAD NAO Oyster Channel 666 NAD NAO Opster Channel 667 NAD NAO Pagan River 668 NAD NAO Pamiulkoy River 679 SAM Pamiulkoy River 2161 SAD Pantscae Harbor 467 NAD NAB Parker Creek	F S		752796	832118	659751	748222	2.810	2,102.395	1,750.200	7	2,974.900	2,495.900	4,983.700
3104 NCD NKB Olcut Harbor 4933 INPD INPA Old Harbor, Kodiak Island 606 NAD INAD Onancock River 612 IAID LMM Oscoola Harbor 6512 IAID INMO Oyster Channel 666 IAID INAO Pagan River 823 SAD SAW Parnitkey River 2161 SAD Pantacasa Harbor 2161 SAM Pantacasa Harbor 677 IVAD NAB Parker Creek	FL S		0	0	0	0	42,955.450	42.955			36.430	52.700	66.780
4933 INPD INPA Old Harbor, Kodlak Island 666 IAAD IAAO Onancock River 612 IAAD LMM Oscoola Harbor 666 IAAD IAAO Oyster Channel 666 IAAD IAAO Pagan River 823 SAD SAW Pamilco and Tar Rivers 649 IAAD NAO Pamunkey River 2161 SAD Pamacae Harbor 467 IAAD NAB Parker Creek	NY S		0	0	0	0	7,631.312	7.631	0.000		0.110	0.000	0.000
606 NAD Onancock River LMD LMM Oscola Harbor 612 NAD Oyster Channel 666 NAD Pagan River 823 SAD RAW 849 NAO Pamultoo and Tar Rivers 2161 SAD Pamuntkey River 2161 SAD Pamacsa Harbor 467 NAD NAB Parker Creek	AK S		1699	504	255	819					0.000	0.000	206.300
612 IAMD Ossobla Harbor 652 IAAD INAO Oyster Channel 666 IAAD IAAO Pagan River 625 SAD SAW Parnitco and Tar Rivers 649 IAAD NAO Pamunkey River 2161 SAM Pamunkey River 247 IAAD NAB Parish Creek 678 IAAD IAA Parker Creek	VA S		65743	100265	71666	88662		0000	0.000		0.000	0.000	0.000
612 NAD Oyster Channel 666 NAD Pagan River 625 SAD SAW Parnico and Tar Rivers 649 NAD NAO Parnunkey River 2181 SAM Parnacea Harbor 487 NAD NAB Partish Creek 678 NAD NAO Parker Creek	AR S		0	0	0	0	540,162.498	540.162	8		424.060	321.000	271.190
666 NAD Pagan River 825 SAD SAW Pamiltoo and Tar Rivers 649 NAD NAO Pamunikey Rivor 2181 SAM Panascea Harbor 487 NAD NAB Parish Creek 678 NAD NAO Parker Creek	VA S		18			9	3,418.022	20.508	0.000	361.200		0.000	0.000
825 SAD Pamilto and Tar Rivers 649 NAD Pamunkey Rivor 2161 SAM Pamacea Harbor 467 NAD NAB Parish Creek 678 NAD NAO Parker Creek	N N	L	12	80	0	7	1,118.583	7.457	0.000	0.000	0.000	0.000	134.230
649 NAD NAO Pamunkay River 2181 SAD SAM Panacea Harbor 487 NAD NAB Parish Creek 678 NAD NAO Parker Creek	NC S		1698806	1404711	1532952	1545490	0.011	16.641	57.500		24.500	81.000	0.000
2161 SAM Panacea Harbor 467 NAD NAB Parish Creek 678 NAD NAO Parker Creek	N N	L	0	0	547803	547803	0.000	0.000	0.000	0.000	0000	0000	0.000
487 NAD NAB Parish Creek 678 NAD NAO Parker Creek	F. S	H	0	0	0	0	3,989.748	3.990	9.060		0000	0.500	0.000
678 NAD NAO Parker Creek	S QM	_	0	0	0	0	30,471.192					0.000	0000
	N S		0	0	0	0	54,467.802	54.468	0.000	47	73.100	100.000	0.000
596 627 NAD NAO Parrotts Creek	S A		0	53	11	15	0.065				0.000	0.000	0.000
2202 SAD SAM Pascagoula River	MS S		7465	3134	254	3618	0.000	0.000	0.000	0.000	0.000	0.000	0.000

SHALLOW-DRAFT NAVIGATION PROJECTS:

ACTUAL O&M EXPENDITURES(1990-1994); WATERBORNE COMMERCE(1992-1994);AND AVERGAGE O&M COSTS (1977-1994), AVERAGE TONNAGES (1992-1994) AND O&M COSTS PER TON (TOTAL 733)

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EER	24,14		33,91	33,91	33,91	33,91	18,8	18,86	18,8t 13,3t		1	94		13.86 11.1 1.11 1.14 406,44	13.38	13.86 11.1 1.11 1.14 406.46	13.86 1.11 1.11 1.14 406,48	18,86 11,1 1,11 1,14 406,4 260,3 1,65	18,81 1,1,1 1,1,1 1,1,1 1,6,0 6,00 6,00 6,00	18,86 1,1,1 1,1,1 1,1,6,4 6,00 6,00 6,00 7,21 280,31	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 11 13 32	11 11 11 11 11 11 11 11 11 11 11 11 11	11 11 11 11 11 11 11 12 66 67 67	13 1406 260 260 67 67 67	13 14 16 66 67 67 67 17 17	11 11 10 10 10 10 10 10 10 10 10 10 10 1	11 11 11 11 11 11 17 17 18	11 11 11 11 11 11 11 11 11 11 11 11 11	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	13 11 11 11 11 11 11 11 11 11 11 11 11 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	33 11 11 11 11 11 11 11 11 11 18 13 13 13 13 13 13 13 13 13 14 16 16 17 17 17 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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PM TONS			0				5338			5	, , ,		23																								
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E 92 TONS		1101	56415	56415 0 86727	8672	8672	56415 0 0 86727 0 0 0 0 5070	8672	8672:	8672.	86727	\$6415 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$6415 0 0 0 0 0 5070 0 0 0 0 0 0 0 0 0 0 0 0	86727 86727 0 0 0 50700 50700 0 0 0 0 0 0 1 4771 47745 2492692	56412 86727 5077 4777 4777 4777 4777 508585	\$6415 \$6727 \$67000 \$67000 \$67000 \$67000 \$67000 \$67000 \$67000 \$67000 \$	9672 8672 9771 4771 2492692 2492692	\$6415 \$6727 \$67000 \$67000 \$67000 \$67000 \$67000 \$67000 \$67000 \$67000 \$	9672[677] 4771 314795 2492692 35388	9672[677] 507] 4774 314795 2492692 353988	56415 86727 0 0 0 0 0 0 0 0 0 0 0 0 0	96721 6777 5077 314795 2492692 2492693 114796	56416 60727 6070	96721 86721 314795 2492692 2492692 363988	56415 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	56412 86721 90791 1177 1177 30791 53541	9672 8672 907 1177 1179 307918 5354 5354	9672 8672 2492692 2492692 353888 353888 353588	\$6415 \$6727 \$670 \$700 \$700 \$700 \$700 \$700 \$700 \$700	907916 907916 907916 907916 907916	9672 8672 8672 248269 248269 35388 117 117 117 110 10 10 10 10 10 10 10 10 10 10 10 10	9672 9672 9672 9672 9673 9673 9673 9673 9673 9673 973 973 973 973 973 973 973 9	9672 9672 9672 9672 9672 9673	9071 907918 307918 53541 117 117 117 44 44	56415 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	56416 86727 86727 0 0 0 0 0 0 0 35388 0 0 0 0 0 0 0 0 0 0 0 0 0	56415 86727 86727 0 0 0 0 0 0 0 0 0 0 0 0 0
			S S																																		
PROJECT NAME S			Pats Manchac Patchogue River		er er				or Harbor					riin Bayous																							
Syn	T		LMN																																		
THY DAY	_	and one	58 NED	58 NED 479 NAD	58 NED 479 NAD 52 NED	58 NED 479 NAD 52 NED 530 NAD	58 NED 479 NAD 52 NED 530 NAD 4840 NPD	58 NED 479 NAD 52 NED 530 NAD 4840 NPD 3791 NCD	58 NED 479 NAD 52 NED 530 NAD 840 NPD 791 NCD	58 NED 479 NAD 52 NED 530 NAD 4840 NPD 3791 NCD NCD 1286 NAD	58 NED 479 NAD 52 NED 530 NAD 4840 NPD 3791 NCD 1286 NAD 2174 SAD	58 NED 479 NAD 52 NED 530 NAD 1840 NPD 1791 NCD NCD 286 NAD 2174 SAD	58 NED 52 NED 530 NAD 54840 NPD 3791 NCD NCD 12174 SAD 807 SAD 470 SPD	58 NED 52 NED 53 NED 640 NPD 3791 NCD 1286 NAD 2174 SAD 807 SAD 2171 SAD 2171 SAD 2171 SAD 2171 SAD 2171 SAD 2171 SAD 2171 SAD	58 NED 52 NED 530 NAD 530 NAD 530 NAD 5174 SAD 517 SAD	58 NED 52 NED 530 NAD 630 NAD 630 NAD 640 NPD 7781 NCD 77	58 NED 52 NED 530 NAD 530 NAD 530 NAD 791 NCD	58 NED 52 NED 530 NAD 54840 NPD 3791 NCD 1286 NAD 807 SAD 511 NAD 511 NAD 611 NAD 611 NAD 611 NAD 611 NAD 611 NAD 611 NAD 611 NAD 611 NAD 612 NAD 613 NAD 613 NAD 613 NAD 613 NAD 613 NAD 613 NAD 613 NAD 614	58 NED 52 NED 530 NAD 640 NPD 791 NCD 791 NCD 792 NCD 794 NCD 795 NCD 796 NAD 797 NCD 797 NCD 798 NCD 798 NCD 799 NCD	58 NED 52 NED 530 NAD 640 NPD 791 NCD 791 NCD 791 NCD 791 NCD 792 NCD 793 NCD 794 NCD 795 NCD 796 NAD 797 NCD 797 NCD 798 NCD	58 NED 52 NED 530 NAD 640 NAD 640 NAD 791 NCD	58 NED 52 NED 53 NED 530 NAD 549 NAD 540 NAD 541 NCD 541 NAD 541 NAD 641 NAD 6	58 NED 52 NED 53 NED 530 NAD 540 NAD 540 NAD 541 NCD 541 NAD 541 NAD 641 NAD 641 NAD 641 NAD 641 NAD 641 NAD 641 NAD 648 NAD 6	58 NED 52 NED 530 NAD 530 NAD 530 NAD 5379 NCD 2174 SAD 2011 LMD 511 NAD 511 NAD 511 NAD 511 NAD 511 NAD 511 NAD 511 NAD 511 NAD 511 NAD 511 NAD 512 NCD 513 NCD 514 NCD 514 NCD 518 NCD 51	58 NED 52 NED 52 NED 530 NAD 53791 NCD 37791 NCD 2174 SAD 2071 LMO 511 NAD 447 NAD 7470 SPD 2017 SAD 600 SPD 2017 SAD 7470 NCD	58 NED 520 NAD 531 NAD 532 NED 533 NAD 534 NAD 537 SAD 537 SAD 537 SAD 537 SAD 637 SAD 647 NAD 647 NAD 647 NAD 647 NAD 647 NAD 647 NAD 648 NCD 638 NCD 639 NCD 631 NCD 632 NCD 633 NCD 633 NCD 634 NCD 634 NCD 634 NCD 634 NCD 635 NCD 636 NCD 637 NCD 637 NCD 638 NCD	58 NED 52 NED 530 NAD 530 NAD 3791 NCD 2174 SAD 2017 SAD 511 NAD 511 NAD 611 N	58 NED 520 NAD 520 NAD 520 NAD 521 NAD 521 NAD 5228 NAD 5230 NAD 524 NAD 624 NAD 625 NAD 626 NAD 626 NAD 626 NAD 627 SAD 627 NAD 627 N	58 NED 52 NED 52 NED 530 NAD 5440 NPD 571286 NAD 5712 SAD 5711 NAD	58 NED 520 NED 530 NAD 530 NAD 530 NAD 530 NAD 531 NCD 5330 NCD 5330 NCD 5340 NCD 5363 NCD 5363 NCD 5363 NCD 5363 NCD 5363 NCD 5370 NCD 5370 NCD 5380 NCD	58 NED 52 NED 53 NED 54 NED 55 NED 55 NED 56 NED 56 NED 57	86 NED 82 NED 82 NED 8399 NAD 847 NAD 847 NAD 847 NAD 847 NAD 847 NAD 848 NAD 848 NAD 849 SAD 840 SAD 840 SAD 840 SAD 840 SAD 841 NAD 841 NAD 842 SAD 844 NAD 845 NAD 846 NAD 847 NAD 847 NAD 848 NAD 848 NAD 848 NAD 848 NAD 849 NAD 841 NAD 841 NAD 841 NAD 841 NAD 841 NAD 842 NAD 843 NAD 843 NAD 843 NAD 844 NAD 844 NAD 845 NAD 846 NAD 847 NAD 847 NAD 848 NAD	58 NED 520 NAD 521 NED 520 NAD 521 NED 522 NED 523 NAD 524 NAD 524 NAD 524 NAD 526 NAD 628 NAD 628 NAD 638 NAD 648 NAD 658 NAD	58 NED 520 NAD 521 NED 520 NAD 521 NED 522 NED 523 NAD 524 NAD 524 NAD 525 NAD 624 NAD 625 NAD 626 NAD 626 NAD 627 NAD 627 NAD 628 NAD 628 NAD 628 NAD 628 NAD 638 NAD 648 NAD 658 NAD	58 NED 520 NED 530 NAD 530 NAD 530 NAD 531 NCD 5317 NCD 531 NCD 5311 NAD 531 NCD 5311 NAD 531 NCD 531 NCD 531 NCD 531 NCD 530	58 NED 59 NED 50	88 NED 52 NED 52 NED 530 NAD 53791 NCD 52774 SAD 5277 SAD 521 NAD 511 NAD 511 NAD 511 NAD 511 NAD 610 NED 714 NAD 715 NED 717 NED 717 NED 717 NED 717 NED 718 NED 718 NED 718 NED 719
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SHALLOW-DRAFT NAVIGATION PROJECTS:

ACTUAL ORM EXPENDITURES(1990-1994); WATERBORNE COMMERCE(1992-1994);AND AVERGAGE ORM COSTS (1977-1994), AVERAGE TONNAGES (1992-1994) AND O&M COSTS PER TON (TOTAL 733)

										AVERAGE	AVERAGE COST	AVGOSH					
										TONS	(\$ 166E)	1977-1994	M2008	BEO 18	82.088	95 0.64	H2016
置	MTHY	M	BES	S PROJECT NAME	I	IYE	92 TONS	SETONS	94 TONS	1992-1994	PER TONS	(1994 \$)		(LDOP'S DOLLARS)	LARSI		
302	2100	SAD	SAJ	Rice Creek	FL S	-	101739	105400	109275	105471	0000	0.000	0000	0000	0000	0000	0.000
22510	813	SAD	SAW	Roanoke River	NC S		190926	121593	110044	140854	0.089	12,501	0000	0000	0000	0.000	53.600
80238	703	NAD	KAB	Rock Hall Harbor	S		0	0	0	0	2,292.017	2.292	0.000	0.000	0000	0.000	0.000
11190		QC NCD	NCR	Rock Island Small Boat Harbor	S E	_	0	0	0	0	11,921.313	11.921	0000	0.000	45.400	2.600	0.000
72762	4803	NPO	NPA	Rocky Pass in Keku Str	AKS	s	75	0	0	25	0.040	0000	0.000	0.000	0000	0.000	0.000
44072		NCD	NCB	Rocky River Harbor	8	_	0	٥	0	0	137,248.487	137.248	27.650	270.400	36.750	23.700	22.200
15600	4652	ON 2	ddN	Rogue River Harbor at Gold Beach	S S	_	372	157443	268	52694	15.486	816.003	565.740	1,050.000	929.550	1,006.000	1,063.200
15490	768	SAD	SAW	Rollinson Channel	S S	,,	240	265	25	187	642.025	120.273	8.410	7.000	186.640	2.900	12.500
73705	503	3 NAD	NAN	Rondout Harbor	ž	s	16367	23704	3803	14625	21.192	309.928	25.840	0000	0.000	0.000	0.000
87072	2268	OFFI B	Ě	Rosedale Harbor	MS	S	506540	537609	606337	550162	0.439	241.620	323.170	299.300	295.740	7.500	379.890
15640	20	O NED	NED	Royal River	말	S	0	0	0	0	39,421.120	39.421	0000	0.000	0.000	0.000	0000
87455		1344 NAD	NAO	Rudee Inlet	V S	S	0	0	0	96	0.010	0000	0.000	0.000	0.000	0.000	0.000
513	138	9 NED	NEO	Rye Harbor	¥	S	0	0	0	0	27,973.659	27.974	437.810	3.700	009:0	0000	0.000
73935		3114 NCD	NCB	Sackets Harbor		s	0	32	180	11	24.132	1.705	0000	0.000	0.000	0.000	0.000
15860	L	24 NED	NED.	Saco River	ME	s	0	0	0	0	102,164,239	102.164	0.200	0.000	412.490	322.400	256.700
8187	8220	Ods	SPK	Sacramento River	S,	s	24082	15000	29000	22694	19.411	440.524	111.700	433,300	490.200	487.200	687.410
74709	4390	Ods	SPN	San Rafael Creek	S S	s	59382			19794	15.331	303.464	1.050	376.600	395.630	476.600	115.600
21880		373 NAD	NAN	Sandy Hook Bay	3	s	0	17749	0	5916	42.703	252.644	0.000	100.000	0.040	0.000	0000
73667		374 NAD	NAN	Sandy Hook Bay at Leonardo	N. S	S	0	0	0	0	33,483.944	33.484	61.250	540.400	10.100	0.000	0000
74475		856 SAD	SAC	Santee River	SCS	s	283	541	325	383	0.003	0000	0.000		0.000	0.000	0000
81247		885 SAD	SAS	Satilla River	GA S	S	0	2	0	1	0.942	0.001	0000	0000	0000	0.000	0.000
16390		3731 NCD	NG	Saugatuck Harbor	3	S	0	0	0	0	109,145,200	109.145	88.900		156.700	111.800	69.800
73709	L	504 NAD	NAN	Saugerties Harbor	Ν	s	0	0	0	0	15,581.924	15.582	0.000	0000	0.000	0.000	0000
42014		S	ş	Savanna Small Boat Harbor	IL S	S	0	0	0	0	5,254.851	5.255	0.000	0000	42.400	0.000	0.000
16450	778	7 SAD	SAS	Savannah River Below Augusta	A S	S	104	368	92	176	4,036.523	709.083	216.890	85.900	67.000	138.600	200.010
16500	L	3866 NCD	핓	Saxon Harbor	IM.	S	0	0	0	0	26,884.550	26.885	107.790	2.800	0000	0.000	78.300
444	167	7 NED	NED	Scituate Harbor		s	159	66	0	98	0.012	0000	0.000	0000	0:00	0.000	0.000
76061		3636 NCD	NCE	Sebewaing	S IN	S	0	0	0	0	244,418.162	244.418	1.070		12.300	4.600	0.080
8193		1203 NED	NED	Sesuit Harbor	ME	S	0	Q	0	0	29,435.962	29.436	0.000	0.000	118.600	0.000	201.500
74622		849 SAD	SAW	Shallotte River	NC	S	1631	914	244	930	25.572	23.773	0.000	0.000	9.800	9.400	0.050
41007	L	228 NAD	NAN	Shark River	N)	S	0	0	0	0	41,155.490	41.155	3.090	90.000	0.000	49.800	0.000
73710		366 NAD	NAN	Sheepshead Bay	ĕ.	s	0	3219	0	1073	2.942	3.157	58.710	0.000	0000	0.000	0000
73644	L	216 NAD	NAN	Shinnecock Inlet	ž	S	0	0	0	0	88,078.439	88.078	0.000	0.000	545.600	784.400	82.150
41035	L	375 NAD	NAN	Shoal Harbor Compton Creek	3	S	30	200	04	257	478.107	122.714	595.740	0000	0000	0.000	0.000
16780		538 NAD	NAN	Shrewsbury River	3	S	0	0	0	0	282,816.069	282.816	7	1,412.800	300.000	0.000	23.800
16800	L	762 SAD	SAW	Silver Lake Harbor	5	s	٥	0	0	0	444,145.621	444.146	466.460	416.000	681.000	10.600	312.400
72898	L	4742 NPD	NPS	Skagit River	WA	S	965	10	20	332	0.003	0.000				0.000	0000
16910		4683 NPD	MPP	Skamokawa Creek	WA	S	0	0	0	0	18,961.603	18.962	20.920	0.500	0.000	0.000	0.000

SHALLOW-DRAFT NAVIGATION PROJECTS:

ACTUAL OEM EXPENDITURES(1990-1994); WATERBORNE COMMERCE(1992-1994);AND AVERGAGE OEM COSTS (1977-1994), AVERAGE TONNAGES (1992-1994) AND O&M COSTS PER TON (TOTAL 733)

					2000 WATER						***************************************	50 CO				
<u>IMG</u>	VATA)	314	111111111111111111111111111111111111111					TONS	(1994 5)	t681-2781	# C&W	91 O&M	92 O&M	#30 SP	# 05 # # 05 #
		177	S.	PROJECT NAME	ij	TYPE 92 TONS	SATONS	94.TOMS	1992-1994	PER TONS	(1994 \$)		11.000'S DOLLARS	RSI		
72930	4684	NPD	MPP	Skamokawa Slough	WA	S	12	5	9	0.176	0000	0.000	0.000	0000	0000	0000
27010		NAD	NAB	Slaughter Creek	MD	S	0	0	0	35,832,463	35.832	L	L	0000	43,000	44 000
73577		475 NAD	NAB	Smith Creek	QW	S	0	0	0	213.800	0.214			000	200.05	000.41
74623		SAD	SAW	Smiths Creek	Š	S	0	0	0	738 840	0.730		L	2000	0000	0.00
74624		834 SAD	SAW	Smiths Creek (Pamlico County)	ž	S 6774	4 6430	2276	5160	0.033	0.169			0000	0.000	0.000
73859		246 NAD	NAP	Smyrna River	出	S 19	9 42	34	32	0.032	0000	L	L	9000	0000	0.000
74625	┙		SAW	South River	ည္	S 405	5 214		207	5000	0000			0000	0000	000
75027	2159 SAD	SAD	SAJ	St Augustine Harbor	교	S 2167	1165	4	1112	204 004	226.052		Ţ	000	0000	0.000
394	461		NAB	St Catherines Sound	£	s	0			41 669 200	41 660	0000		065.1	12.100	108.040
17310	2323 NCD		NCS	St Croix River	2	S 10616	6 4314	1076	8563	4 050	40.00			0.00	0.000	0.000
74219	3702 NCD		NCE	St James Harbor	Т				12340	0000	42.307			0.000	0000	0.000
73579	481	NAD	NAB	St Jerome Creek	T					35 875 653	2000			0.000	0000	0.000
74387	2018 SAD		SAJ	St Johns River - Jacksonville to Lake Harney	2	S 823229	1220283	1067915	1037142	9000	90.000			1.430	0000	0.000
58300	3734 NCD		NCE	П	Т		L	L	1	0.009 AA EA4 CG7	40.930	0.000	0000	0.000	0000	0.000
17370	2107 SAD		SAJ	St Lucie Inlet	교	S 1153	1182	55	707	040 040	700 007			0.00	0.000	0.000
74542		П	SAM		Т	S 523407	136	6348	569946	0.000	0.000	0000	00000	102.750	838.500	450.650
4444	\Box	294 NAD	NAB	St Michaels Harbor	Q.	S 829	9 754	200	694	0.413	0.286			000	0000	0.00
73596	462	NAD	NAB	St Patricks Creek	8	S 795			381	22 101	8.420			0.00	0000	0.000
88807		NCD	NCS	oat Harbor	N.	S	0	0	0	12.043.128	12 DA1		0000	00000	0000	0.000
55555	497		NAB	St Peters Creek	ş	s	0	0	0	364.444	0.364		0000	100.000	0.300	0.000
74400		П	SAJ	St Thomas Harbor	i)	S 447119	491438	562236	500264	0000	0000		0000	000	9000	0.00
42007		NAD	NAO		٧A	S 25	5 52	4	93	0.033	0.000			200	9000	0.000
74508	2132	SAD SAD	SAJ	River	급	S 1157	1149	0	692	1.106	0.850			0000	0000	15 300
17500	*	Q I	NPA		_	S 9955	5 22371	17850	16725	0.410	6.862	16.890	3.000	0.140	0000	0.00
COOOL		Т	NED			S 8314	7684	261	5420	0000	0000	0000	0.000	0.000	0000	0000
76064			NED	ford	\neg	S	0	0	0	20,989.133	20.989	0.000	0000	0.000	0000	2.800
74626		Т	SAW	lay	\neg	S 5937	7 6348	203	4163	12.517	52.103	0.000	5.800	392.900	0.000	0000
47730	9,07	Т	SON CE		_		0	0	0	2,118,283	2.118	1.900	5.400	12.600	9.100	11.400
47870		Т	N'AC		_	-		1314	4662	19.003	88.590	470.440	481.700	6.200	0.000	0000
97650	87,	Т	2 2	Jel.	т	200	550621	374434	580390	0.496	287.703	81,220	529.400	120.200	30.000	117.750
17070	8	3	MAG		$\neg \tau$	S 1792	2087	2276	2022	97.744	200.539	0.000	517.100	38.700	23.000	7.840
41083	102	Т	NAM.	Tangiponda Hiver	Т	+			0	85,311.040	85.311	0.000	0000	0.000	213.500	17.400
87036		Т	000		$\neg T$	5 627011	302138	339204	422784	0.112	47.220		34.800	220.200	850.000	155.000
174	2232	Т	N	Divas and Donne Colle	Т	+		6	0	26,277.556	26.278		39.700	441.900	0.000	0000
3350	\perp	Т	Т	alia	Т	S 26784	27775	8603	21054	1.354	28.514	0000	0.000	0.000	0.000	0000
40108	٤	Т	T	Titchman feland Harbon	¥ 5			0	0	228,781.519	228.782	54.000	185.400	275.800	200.000	208.700
73598	L	Т	Т			+		1960	2291	11.518	26.389	0000	0.000	0.000	0.000	0000
		7	7		_	802	336	0	379	70.788	26.852	0.000	0.000	0.000	529.400	0.000
																ĺ

ACTUAL O&M EXPENDITURES(1990-1994); WATERBORNE COMMERCE(1992-1994);AND AVERGAGE O&M COSTS (1977-1994), AVERAGE TONNAGES (1992-1994) AND O&M COSTS PER TON (TOTAL 733) SHALLOW-DRAFT NAVIGATION PROJECTS:

										AVERAGE	AVERAGE COST	AVG O&M					
										TONS	(\$ 1888.)	1977-1994	M-80 08	91 OAH	92 OSM	95 D&H	M&O 16
EM.	MENT	DEV	SIG	PROJECT NAME	13	TYPE	P2 TONS	83.1085	94 TONS	1992-1994	PER TONS	(\$ 1661.)		(1.000°S DOLLARS)	LARS		
-		SAD	SAC	Town Creek	SCS	s	0	0	0	0	600,824.940	600.825	354.800	622.600	436.370	0.000	499.230
73600	419		NAB	iver		s	195534	244395	282719	240883	0.245	58.991	0.000	0.000	0.000	0.000	66.810
74629	832	SAD	SAW	Trent River	NC	s	200	1122	0	441	0.002	0000	0.000		0.000	0000	0.000
18510		2400 SWD	SWG	Trinity River	S ¥	s	2800			933	790.258	737.574	1,637.930	639.100	487.860	55.300	1,648.690
73601	L	424 NAD	NAB	Tuckahoe River	QW	s	6	0	0	0	1,353.450	1.353	0.000	0.000	0.000	0000	0.000
18580		290 NAD	NAP	. L		s	0	0	0	0	1,560.400	1.560	0.000	0.000	0.000	0000	0.000
73602		448 NAD	NAB	Twitch Cove & Big Thorofare River	QW	s	640	320	7658	2873	53.293	153.092	0.000	0000	812.540	48.700	26.300
76107		679 NAD	NAO			S	0	0	0	0	47,982.977	47.983	0.000	159.700	191.810	51.000	0.000
73604		439 NAD	NAB	Upper Thorofare, Deal Island	9	S	1768	42120	6883	16924	2.736	46.297	0.000	0.000	0.000	0.000	0.000
74888	2500	aws	SWL			s	18300	17400	13300	16333	0.000	0000	0000	0.000	0000	0.000	0.000
602	634	NAD	NAO	Urbanna Creek	S YA	s	13762	17553	22343	17886	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72849		OAN	NPA		AK	s	0	0	0	0	3,713.739	3.714	0.000	0.000	0.000	0.000	0.000
44003		3215 NCD	NCB	tor		s	0	0	0	0	124,672.773	124.673	0.000	302.900	68.290	1.800	0.730
19150		1335 SAD	SAC		ပ္တ	s	280	411	108	366	2.316	0.848	0.000	0.000	0.000	0.000	0.000
74002		852 SAD	SAC	iver	Г	v	6	60	2	9	95.618	0.542	0.000	0.000	0.000	0.000	0.000
	4449	8	8	Wajanae Boat Harbor	=	s	0	0	0	0	2,371.760	2.372	5.260	0.000	7.000	0.000	0.000
451		174 NED	Q.		¥ ¥	s	20	31	0	17	0.059	0000	0.000	0.000	0.000	0.000	0.000
48011		3944 NCD	Ş		N.	s	0	0	0	0	36,908.444	36.908	0.000	0000	0.000	70.400	281.500
74235		NCD	NCR	Warsaw Small Boat Harbor	<u>اد</u> اد	S	0	0	0	0	5,402.874	5.403	71.930	26.900	0.150	0.000	0.000
73605		425 NAD	NAB		QM	S	703	208	0	304	13.864	4.210	0000	0.000	0.000	0.000	0.000
202		2072 LMD	LMN	Waterway from Empire to the Gulf	5	S	663716	853513	685417	734215	0.082	59.964	18.660	7.600	428.390	2.900	1.000
8100		236 NAD	NAP	hoboth	DE S	S	0	0	0	0	16,622.252	16.622	0.000	25.800	0.000	0.000	0.000
452		173 NED	NED	Welffleet Harbor	MA	S	0	0	0	0	50,370.872	50.371	0.000	0.000	0000	0.000	31.890
39023	132	NED	NED	Wells Harbor	ME	S	0	0	0	0	21,889.473	21.889	58.540	54.800	3.050	0.000	0.000
74025		NCD	NCB	West Harbor	ЮН	s	0	0	0	0	85,428.929	85.429	17.450	56.100	82.000	127.000	273.030
41003		352 NAD	NAN	Westchester Creek	Ϋ́	s	254946	297088	227112	259715	1.019	264.780	82.620	1,075.400	180.010	0000	0.000
256		316 NED	NED	Westcott Cove	ст	S	0	0	0	0	11,862,511	11.863	0.000	0000	0.000	0.000	0.000
72823	46	NED	NED	Westport River	MA	S	26	7	13	15	0.065	0000	0.000	0.000	0.000	0.000	0.000
19850	3840	QC Q	NCE	Whitefish Point Harbor	iw W	s	0	0	0	0	14,068.389	14.068	135.850	13.600	0000	0.000	0.000
909	635	NAD	NAO	Whitings Creek, Middlesex County	٧A	S	0	0	0	0	24,780.062	24.780	167.900	0.100	0000	0.000	218.800
73606	437	NAD	NAB	Wicomico River	QW S	S	964466	1043520	1140910	1049632	0.572	600.202	55.620	76.300	156.330	296.000	617.130
72690		4645 NPD	ddN	Willamette R above PrtInd & Ymh	OR S	S	0	0	1481273	1481273	0.000	0.000	0.000	0000	0000	0.000	0.000
73801		669 NAD	NAO	Willoughby Channel	٧A	s	80	15	16	13	1,501.880	19.524	0.000	0000	0000	0.000	351.440
73938		3119 NCD	NCB	Wilson Harbor	N.	S	0	0	0	0	27,275,219	27.275	0.000	115.500	27.880	2.600	0.000

SHALLOW-DRAFT NAVIGATION PROJECTS:

ACTUAL O&M EXPENDITURES(1990-1994); WATERBORNE COMMERCE(1992-1994);AND AVERGAGE O&M COSTS (1977-1994), AVERAGE TONNAGES (1992-1994) AND O&M COSTS PER TON (TOTAL 733)

												1001					
PM	YALK	A	/ DAS	PROJECT NAME	EI IS	TPE 92 TONS	38	SA TONS	84 TONS	AVERAGE TONS 1992:-1994	AVERAGE COST (1994 \$) PER TONS	AVG 0888 1977-1994	M30.06	STORM 92	92 0&H	93.048	94 O&M
88817		MCD	SON	Winona Commercial Harbor	S N		-	c	c	c							
88816		NCD	NCS	Winona Small Boat Harbor	N N N		0	o	c	6	1 004 725	88	000				
73802	734	NAD	NAO	Winter Harbor	_		157	9	9		1,004.122	1.063	0000	00000		15.000	0.000
74393		2128 SAD	SAJ	River			-	162594	385730	189775	269.176,2	4 573	0.00	104.800		0.000	0.000
20160		2206 SAD	SAM	Wolf and Jordan Rivers	WS S		0	0	6	0	78 022 611	78 103	200	0000	0000	3.800	24.850
20150		2292 LMD	LMN	Wolf River Harbor	S NL	14(1464253	1697204	1477535	1546331	0.391	ADE OF	343 450	244 400		000.0	0.000
391	130	130 NED	NED	Wood Island Harbor	MES		0	0	6	ō	29 243 416	20.243	0.000	40.100	017:817	290.800	233.890
457	180	180 NED	NED	Woods Hote Channel	MA S	36	300618	363487	161256	275120	0000	0000	000	0000		0000	0.000
21500		4802 NPD	NPA	Wrangell Harbor	AK S	37	324898	690614	564805	526772	0.061	32.149	61.040			44 900	0.000
87165	820	SAD	SAW	Wrights Creek	NC S		5022	2217	-	2413	7.264	17 531	000			41.300	263.890
74632	837	SAD	SAW	WW connecting Pamilco S. & Beaufort Harbor	S S S		27259	19218	5471	17316	11068	104 660	0000	0000		0.00	0.000
74637	171	SAD	SAW	WW connecting Swanquarter Bay & Deep Bay NC	S S		1039	655	1	085	20.00	000:151	2,040	4.200	*	0.000	35.100
188	2073	B	LMN	WW from Inland Waterway to Bayou DuLac		6	915673	414083	518435	616064	0.155	06.330	0000	0.000		0000	0.000
74633	810	SAD	SAW		S S		2047	5290	2744	U962	0000	0000	000	0000		000.69	425.640
20300	4670	Q _P	MPP		OH OH		0	0	0	0	37 216 706	27 247	80.5	0000		0.000	0.000
20350		2010 LMD	¥	Yazoo River	MS S	77	728228	623058	764996	705427	0.039	27.691	4.310	000		0000	228.500
15410		ջ	NG.	Yellow Bend Port	AR S		0	0	6	0	11.135.428	11.135	0000	000	100 800	9	0.00
73804	654	654 NAD	NAO	York River to Back Creek	S AV		208	1224	200	811	1000	0000	8	000	0000	0.100	104.340
20390		4608 NPD	ddN	Young Bay and River	S HO		-	0	17480	5827	0000	000	8	000	0000	0.000	0000
20410		8220 SPD	SPK	Yuba River	CA S		0	0	0	0	540.678	0.541	000	000	000	0.000	0.000
87343		3943 NCD	NCS	Zippel Bay Small Boat Harbor	S		0	0	0	6	1 411 424	1 444	000	24 400	000	ont-c	1.150
73865		293 NAD	NAP		S		0	0	0	0	597.000	0.597	0.00	0.000	0.000	000.0	0000
578		453 NAD	NAB		VA S		0	0	0	0	0000	0000	0.000	0.000	0000	0000	0000
87132		8	<u>8</u>	larbor	GU S		0	0	0	0	0000	0.000	0000	0.000	0.00	0000	0.000
8/427		SAD	SAJ		PR S		0	0	0	6	0000	0.000	0000	0.00	0.000	0000	0000
153	2234	9	N.	layou Manchac	s Y	\downarrow	0	0	0	0	0.000	0.000	0000	0.00	0.000	0000	0.00
554	194	Ş.	7		S		0	0	0	0	0000	0.000	0000	0.000	0.000	0.000	0.000
73827	247	Q¥	Т	c River	DE S		0	0	0	0	0.000	0000	0.000	0000	0000	0000	0000
74463	1343	SAD	SAC		SC S		0	0	0	0	0000	0000	0.00	0.00	0.000	0000	0.000
87674			Q.	ve	MA		0	0	0	0	0.000	0.000	0.000	0000	0000	0000	0.000
325	=		Q .		ME S	4	0	0	0	0	0000	0000	0000	0000	0.000	0.000	0.00
		₹	\neg	all Boat Basin	OR S		0	0	0	0	0000	0000	0000	0000	0000	000	0000
326	1 8	105 NED	Т		NE S		0	0	0	0	0000	0.000	0.000	0000	0000	0000	000
327	2	108 NED	QE	Bass Harbor Bar	ME S		0	0	0	0	0.000	0.000	0.00	0.000	0000	0000	0000
																-	2000

COMMERCE(1992-1994); AND AVERGAGE O&M COSTS (1977-1994), SHALLOW-DRAFT NAVIGATION PROJECTS ACTUAL O&M EXPENDITURES (1990-1994); WATERBORNE

0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0000 0.000 0.000 M20 #6 00000 0.000 0.000 0.000 0.000 0.000 0.000 12 O 8 4 00070 82 ORB (1000'S DOLLARS) 0.000 0.000 0000 91 DAM 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.00 0.000 0.000 000 0.000 0.00 0000 0.000 0.000 0.000 0.000 0.000 0.000 90 O&M 00000 0.000 0.000 00000 0.000 00000 0.000 000 0.000 0.000 0.000 0.000 (\$ 1661) (TOTAL 733) 1977-1994 AVG ON AVERAGE COST (\$ 9661.) FER TONS COSTS PER TON AVERAGE 192-199 TORS SKIOKS OEM STORE AND (1992 - 1994)**92 TORS** WA ş 및 Z 및 및 뿙 X ≩ e E S ş ¥ 뿔 삠 및 3 2 푳 8 8 핌 5 占 교 TONNAGES Columbia River, Wenatchee to Kettle Falls Channel from Pamilico Sound to Rodanthe Channels between N&S Hero Islands Crescent Bay Basin, Sitka Hbr. Charlestown River Front Park Chippewa Harbor (Isle Royale) lennett Creek, City of Suffolk Cedar Island Keaton Beach Bucks Harbor, Machiasport Channel from Phoebus Bayou Queue de Tortue Choctawhatchee River Black River, AR&MO Courtenay Channel Bayou Grosse Tete Cedar River Harbor AVERAGE Bayou Bartholomer **Broad Creek River** Contentnea Creek Blackwater River oothbay Harbor Slatskania River Bay City Harbor Camden Harbor Cathance River **3roadkill River Bunker Harbor** Sobscook Bay Cocheco River Cahaba River Cooper River Corsica River **Bellamy River** Caddo Lake Beaver Bay Black River Bluff Creek NAN SAW NCE SAM NAO AP. P E E SAM 岁 S Ş 일 밀 SAW SWL NAO SAM NAB NED. Ω SAJ SH 鱼 띭 NPS NPA NAD NAD ă SWD SAD SWD NAD SAD NED NAD 9 PD \M\ SAD NED Q. SAD NCD SAD ş NAD 용 ջ SAD SE C PE NPD NAD OPN S VAD NPD 1254 SAD ŝ Σ CWD Ä 8 125 3935 4620 8 8694 410 2406 2249 116 8 53 258 2241 8 845 2501 674 2203 435 239 1023 3804 769 5737 MUM 337 505 72863 74602 73870 2210 2330 74521 87215 2820 74599 73561 74487 16840 74593 12157 332 73795 73728 10307 74300 3340 329 329 73548 73828 100001 1060 156 100006 27028 8 87461 H

ACTUAL ORM EXPENDITURES(1990-1994); WATERBORNE COMMERCE(1992-1994);AND AVERGAGE ORM COSTS (1977-1994), AVERAGE TONNAGES (1992-1994) AND O&M COSTS PER TON (TOTAL 733) SHALLOW-DRAFT NAVIGATION PROJECTS:

Cherrical Contract																
LMG	WTW	Ž	Š						TONS	(1894.5)	1977-1994	M-80 04	91 O&M	92.08/8	93 O&M	M20 16
		101		PROJECT NAME	SI TIPE	PE 92 TONS		SATONS PATONS	1992-1994	PER TONS	(1894 \$)		(1,000'S DOLLARS)	LARSI		
152	2246	Fe	Ĭ	Cypress Bayou	LA S		0	0	0	00000	0000	0000	0.000	0000	0000	0000
73563	728	NAD	NAB	Cypress Creek	S OW		0	0	0	0.000	0000	0000	0.000	0000	0000	9000
351	15	NEO.	9	Damariscotta River	ME S		0	0	0	0000	0000	0000	0.000	0000	0000	0000
75117	603	MAD	NAO	Deep Creek, Accomack Cty	VA S		0	0	0	0.000	0000	0000	0.000	0000	0000	000
73786	269	269 NAD	NAP	Dennis Creek	S CN		0	0	6		0.000	000	0000	0000	000	
73877	289	289 NAD	NAP	Double Creek	S		0	0	6		0.000	0000	0000	0000	2000	
342	124	MED	NEO	East Boothbay Harbor	MES		0	0	0	0000	0000	0000	0000	9000	0000	300
73684	345	345 NAD	NAN	Echo Bay Harbor	NY S		0	0			900	2000	0000	0.000	0.00	0.000
74470	867	SAD	SAC	Edisto River	$\overline{}$	-	0				0000	0.000	0.000	0.000	0.000	0.000
73581	405	NAD	NAB	Elk&Little Elk Rivers	$\overline{}$	-	0				0.000	0.000	0.000	0.000	0000	0.000
412	35	ᄝ	Q.	Essex River	T		-				0.00	0.000	0.000	0.000	0000	0.000
909	32	NED	NED	Exeter River) 6				0.000	0.000	0000	0.000	0.000	0.000
74577	782	782 SAD	SAS	Fancy Bluff Creek	_						0.000	0.000	0000	0.000	0.000	0.000
	4315	4315 SPD	ğ	Feather Biver	T	-	, ,				0.000	0000	0.000	0.000	0.000	0.000
87327		Š	Ę	Fernandina Harbor	Т	+	5				0.000	0.000	0.000	0.000	0.000	0.000
74606	BHA	BHA CAD	3	Fertianula nalbo	$\neg r$	+	0		0		0.000	0.000	0.000		0.000	0.000
2000	100	1	a de	Tisning Creek	Т		0	0	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3310	350		2	Fivefulle Hiver Harbor	\neg		0	0	0	00000	0.000	0000	0.000		0.000	0.000
/10/0		NA I	NA I	Fort Gaines, Dauphin Island	AL S		0	0	0	0.000	0000	0.000	0.000	0000	0.000	0.000
21050	1	8	g i	Fort Madison Small Boat Harbor			0		0	00000	0.000	0.000	0.000	0.000	0.000	0000
4830	1048		2	Frenchboro Harbor	WE S		0	0	0	00000	0.000	0.000	00:00	0000	0000	0.000
/49/0		G)	E CB	Geneva-on-the-Lake	S H	4	0	0		0.000	0.000	0.000	0.000	0.000	0.000	0.000
73687	515	515 NAD	YAN	Glen Cove Harbor	\neg		0	0 0		0.000	0.000	0.000	0.000	0.000	0.000	0000
13/23		MAG	NAN	Gordon's Landing, Lake Champlain	s L		0	0	0	00000	0.000	0.000	0.000	0000	0.000	0.000
73878	270	270 NAD	NAP.	Goshen Creek	s Z		0	0 0	0	00000	0.000	0.000	0.000	0.000	0.000	0.000
1/8	2236	ZZ36 LMD	3	Grand Bayou Pass	s M		0	0)	0.000	0.000	0:000	0000	0000	0.000	0.000
6730	3857	3857 NCD	岁	Grand Traverse Bay Harbor	S		0	0		0.000	0000	0.000	0.00	0.000	0000	0000
73689		ZAD	MAN	Great Chazy River	S		0	0 0	3	0.000	0.000	0.000	0000	0.000	0.000	0000
/3690	382	g	NAN	Great Kills Harbor	NY S	_	0	0 0		00000	0.000	0.000	0.00	0.000	0000	0.000
- 8	82	밀	S S	Greenwich Bay	<u>s</u>		0	0	0	0000	0.000	0.000	0.000	0000	0000	0000
345	9		밀	Harraseeket River	WE S		0	0 0	0	0000	0.000	0.000	0000	0000	0000	0.00
74318	3	2	SS	Hastings Harbor	S N		0	0 0	0	00000	0.000	0.000	0.000	0000	0000	0.000
g :				Hendricks River	坚		0	0 0	0	0000	0.000	0.000	0.000	0.000	0.00	0.00
419	165			Hingham Harbor	WA S		0	0 0	0	00000	0.000	0.000	0.000	0.000	0.000	0.000
87514		QW I	g .	Holmes Creek	S L		0	0 0	9	0000	0.000	0.000	0.000	0.000	0000	0.000
13141			품	Huntington River Front PK.	s M		0	0 0	9	0.000	0.000	0.000	0.000	0.000	0000	0000
423	ਲ			Ipswich River	MA S		0	0 0	9	0000	0000	0.000	0.00	0.000	0000	0000
8280	137	137 NED	<u>a</u>	isle of Shoals Harbor	WE S		0	0	0		0000	0000	0000	0000	500	000
8280	111	437 NED												2		

SHALLOW-DRAFT NAVIGATION PROJECTS:

ACTUAL ORM EXPENDITURES(1990-1994); WATERBORNE COMMERCE(1992-1994); AND AVERGAGE ORM COSTS (1977-1994), AVERAGE TONNAGES (1992-1994) AND O&M COSTS PER TON (TOTAL 733)

									AVERACE	AVERAGE COST	AVGORM					
									TOHS	(1994.5)	1977-1994	90 O&M	91 O&M	92 OSH	93 O&M	94 O&M
J. J	WIN	Y DAY	SIC	PROJECT NAME	SI IYPI		92 TONS 92 TONS	NS SATONS	1992-1994	PER TONS	(1994 \$)		(1.000'S DOLLARS)	ARSI		
10640		MRD	MRO	lvy Boat and Canoe Club	IL IS		0	0	0 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
76092		1010 NED	MED	Jonesport Harbor	ME S		0	0	0	0000	0000	0.000	0.000	0000	0.000	0.000
8700		4460 POD	POD	Kalaupapa Harbor, Molokai	S H		0	0	0 0	0000	0000	0.000	0.000	0.000	0.000	0.000
	84	4833 NPD	NPA	Kasilor Harbor	AKS		0	0	0 0	0000	0000	0.000	0.000	0.000	0.000	0.000
	=	1281 NAD	NAO	Kings Creek	VA S		0	0	0 0	0000	0.000	0.000	0.000	0.000	0.000	0.000
9030	L	OUN	NPS	Kingston Harbor	WA S	L	0	0	0	0000	0000	0000	0.000	0.000	0000	0000
12222	L	2115 SAD	SAJ	Kissimmee River	F. S	L	0	0	0	0000	0000	0.000	0.000	0.000	0000	0.000
9280	L	1324 NED	NED	Lagoon Pond, Martha's Vineyard	MAS	\vdash	0	0	0	0.000	0000	0.000	0.000	0.000	0.000	0000
909		31 NED	NED	Lamprey River	S HA		0	0	0	0.000	0000	0.000	0.000	0000	0000	0.000
74297	Ļ	NCD	NCS	Lansing Harbor	IA S		0	0	0	0.000	0000	0.000	0.000	0.000	0000	0:00
9480	L	344 NAD	NAN	Larchmont Harbor	NY S		0	0	0	0.000	0000	0.000	0.000	0.000	0.000	0000
87310		POD	POD	Laupahoehoe Harbor	S Ŧ		0	0	0	0.000	0000	0.000	0.000	0.000	0000	0.000
76556		SAD	SAM	Leaf-Chickasawhay River	WS S	_	0	0	0	0.000	0.000	0.000	0000	0.000	0000	0.000
73850		558 NAD	NAP	Little Egg Harbor	S		0	0	0 0	0000	0000	0.000	0.000	0.000	0.000	0.000
425		179 NED	NED	Little Harbor, Woods Hole	MA S	_	0	0	0	0000	0.000	0.000	0.000	0.000	0.000	0.000
27013		NCD	NCB	Little River	S Y		0	0	0	00:00	0.000	0.000	0.000	0.000	0.000	0.000
87422		SWD	SWL	Little Rock Port	AR S		0	0	0 0	0000	0.000	0.000	0.000	0.000	0.000	0.000
492	S1	LMD	LMK	Little Tallahatchie River	WS S		0	0	0 0	0000	0000	0.000	0.000	0.000	0.000	0.000
587	L	639 NAD	NAO	Locklies Creek	VA S	L	0	0	0	00:00	0000	0.000	0.000	0.000	0.000	0.000
87494		NCD	NCB	Lorain Small Boat Harbor	он в		0	0	0 0	0000	0.000	0.000	0.000	0.000	0000	0000
74053		3930 NCD	NCE	Lufsen Harbor	MN S		0	0	0 0	0.000	0.000	0.000	0.000	0.000	0000	0.000
0626		POD	POD	Maaluea Small Boat Harbor	S ₩		0	0	0 0	0000	0000	0.000	0.000	0.000	0.000	0.000
355		4 NED	NED	Machias River	ME S		0	0	0 0		0000	0.000	0.000	0.000	0000	0000
10350		815 SAD	SAW	Mackay Creek	NCS		0	0	0 0	0000	0000	0.000	0.000	0.000	0000	0000
426		155 NED	NED	Malden River	MA S		0	0	0 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10820		GdN	NPS	Mats Mats Bay	WA S		0	0	0	0000	0.000	0.000	0.000	0.000	0.000	0.000
80312		650 NAD	NAO	Mattaponi River	VA S		0	0	0 0		0.000	0.000	0.000	0.000	0000	0.000
357		14 NED	NED	Medomak River	ME S		0	0	0 0	0.000	0.000	0.000	0.000	0.000	0000	0.000
428		33 NED	NED	Merrimack River	MA S		0	0	0	0.000	0.000		0.000	0.000	0.000	0.000
591		493 NAD	NAB	Mill Creek	MD S		0	0	0 0	0.000	0000	0.000	0.000	0.000	0.000	0.000
74473		854 SAD	SAC	Mingo Creek	sc s		0	0	0 0				0000	0.000	0.000	0.000
		LMD	LMS	Moccasin Springs	MO S		0	0	0 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11710		4305 SPD	SPK	Mokelumne River	CA S		0	0	0 0		0000	0.000	0.000	0.000	0000	0.000
358		72 NED	NED	Moosabec Bar	ME S		0	0	0 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87425		ORD	ORN	Morgan County-Decatur Port	AL S		0	0	0 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11840		NAD	NAN	Moriches Inlet	S		0	0	0	0000	0.000	0.000	0.000	0.000	0000	0.000
74079		3006 NCD	NCB	Morristown Harbor	NY S		0	0	0 0		0.000	0.000	0.000	0.000	0000	0.000
22222		1241 NAD	NAB	Nan Cove	S QW		0	0	0	0.000	0.000	0.000	0.000	0.000	0.000	0:000

SHALLOW-DRAFT NAVIGATION PROJECTS:

ACTUAL ORM EXPENDITURES(1990-1994); WATERBORNE COMMERCE(1992-1994);AND AVERGAGE ORM COSTS (1977-1994), AVERAGE TONNAGES (1992-1994) AND ORM COSTS PER TON (TOTAL 733)

											AVERAGE	AVERAGE COST	AVGORM					
											TONS	(1994-5)	1977-1994	90 O&M	91 DAM	92 O&M	93 D&M	M\$0.16
PMG	ŀ			뙮	PROJECT NAME	13	TYPE 92 TOHS		93.TOMS	PA TONS	1992-1994	PER TONS	(1994 \$)		(LDOU'S DOLLARS)	RSI		
	73782	607 NAD	D NAO		Nandua Creek	Y.	S	0	0	0	0	0.000	0.000	0.000	0.000	0.000	0000	0.000
	328	6 NED	T		Narraguagus River	ME	s	0	0	0	0	00000	0.000	0.000	0.000	0.000	0.000	0.000
		455 NAD			Neabsco Creek	٧A	S	0	0	0	0	0.000	0.000	0.000	0.000	0.000	0000	0.000
"'	\sqcup		П	٦	Neavitt Harbor	MD	S	0	0	0	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	362	122 NED	D NED		New Harbor	ME	s	0	0	0	0	0.000	0.000	0000		0.000	0000	0.000
	74613	806 SAD	D SAW		Newbegun Creek	Š	s	0	0	0	0	0.000	0.000	0.000		0000	0000	0000
.,	21720	83 NED	D NED		Niantic Bay & Harbor	다	s	o	0	0	0	0.000	0.000	0.000	0.000	0000	0000	0000
	87508	CMD	D LMN		North Pass-Pass Manchac, Tangipahoa Parish	≤	s	0	0	0	0	0.000	0.000	0.000	0.000	0000	0.00	0.00
.~	74557	SAD	D SAM		Noxubee River	MS	s	0	0	0	0	0.000	0.000	0000	0000	0.000	0000	0000
	13020	2260 LMD	D LIMM		Obion River	2	s	0	0	0	0	0000	0000	0000	0000	0000	0000	0000
	87573	SAD	D SAJ		Ochlockonee River	చ	S	0	0	0	0	0.000	0.000	0000	0000	0000	9000	0000
	13290	4300 SPD	D SPK		Old River	C.A.	S	0	0	0	0	0.000	0.000	0000	0000	0000	0000	0000
	73891	263 NAO	O NAP		Oldmans Creek	3	s	0	0	0	0	0000	0000	0000	0000	0000	0000	0000
1	10128	SAD	D SAJ	Г	Oostanaula-Coosawatte River	Ą	s	0	0	0	0	0000	0000	0000	0000	0000	0000	000
	73652	NAD	D NAN	Г	Otter Creek	5	s	0	0	0	0	0000	0000	000	0000	000	000	
62	13490	119 NED	D NED		Owls Head Harbor		S	0	0	0	0	0.000	0.000	0.000	0.00	0000	0000	0000
	74858	SWD		SWG	Oyster Creek	×	s	0	0	0	0	0.000	0.000	0000	0000	0000	0000	0000
	300	2122 SAD	D SAJ		Ozona	4	s	0	0	0	0	0.000	0.000	0000	0000	0000	0000	0000
	564	80 NED	D NED		Pawtuxet Cove	æ	S	0	0	0	0	0.000	0000	0000	0.000	0000	0000	000
	73745	502 NAD	D NAN		Peekskiil Harbor	À	S	0	0	0	0	0.000	0000	0000	0.000	0000	0000	0000
	74454	811 SAD	D SAW		Pembroke Creek	П	S	0	0	0	0	0.000	0000	0000	0.000	0000	0000	0000
		134 NED	D NED		Pepperell Cove	ME	S	0	0	0	0	0000	0.000	0000	0.000	0.000	0.000	0.00
-	_	3704 NCD	\neg		or		S	0	0	0	0	0.000	0.000	0000	0.000	0000	0.000	0.00
7	\perp	PED	П			Æ	S	0	0	0	0	0.000	0.000	0.000	0.000	0.000	0000	0000
		2124 SAD		7	e River	F	S	0	0	0	0	0.000	0.000	0.000	0.000	0.000	0000	0000
	71346	2 NED	\neg				S	0	0	0	0	0.000	0.000	0.000	0.000	0.000	0.000	0000
	73748	507 NAD	П		lor	≱	s	0	0	0	0	0.000	0.000	0.000	0.000	0.000	0000	0.000
_	87440	먮	П	1		AL	s	0	0	0	0	0000	0000	0.000	0.000	0.000	0000	0000
	73796	739 NAD	\neg	٦	puou	$\neg \tau$	s	0	0	0	0	0.000	0.000	0.000	0.000	0000	0000	0.000
	73571	721 NAD	П	٦	Lower Cedar Point		s	0	0	0	0	0000	0.000	0.000	0.000	0000	0.000	0.000
	265	S1 NED	\neg	T		æ	S	0	0	0	0	0000	0000	0.000	0.000	0.000	0.000	0.000
_	14670	NCD	\neg	\exists	oor	Ν¥	s	0	0	0	0	0000	0000	0.000	0.000	0000	0000	0.000
	519	257 NAD		\exists		3	S	0	0	0	0	0.000	0.000	0.000	0.000	00:00	0.000	0000
	-	1323 NED	\neg	\exists	r, Bourne	¥.	S	0	0	0	0	0000	0.000	0.000	0.000	0.000	0000	0000
	371	RE	П			및	S	0	0	0	0	0000	0000	0.000	0.000	0000	0000	0.000
	371	129 NED	\neg		sland Harbor		S	0	0	0	0	0000	0.000	0.000	0.000	0000	0.000	0.000
	73707	214 NAD	Т	Т	ŧ		S	0	0	0	0	0.000	0000	0.000	0.000	0000	0000	0.000
	73708	531 NAD		NAN	Sag Harbor	¥	s	0	0	0	0	0000	0000	0.000	0.000	0.000	0000	0000
														۱				

SHALLOW-DRAFT NAVIGATION PROJECTS:

ACTUAL ORM EXPENDITURES(1990-1994); WATERBORNE COMMERCE(1992-1994); AND AVERGAGE ORM COSTS (1977-1994), AVERAGE TONNAGES (1992-1994) AND O&M COSTS PER TON (TOTAL 733)

									AVERAGE	AVERAGE COST	AVG O&M					
									TORS	(1894-1)	1977-1994	90 O&M	BI OAM	92.08.0	M20 89	94 O&M
PHI	WING	DIX	SFR.	PROJECT NAME	21 IS	TYPE 92 TONS	3	SATONS SATONS	1992-1984	PER TOHS	(1894 \$)		(1.000'S DOLLARS)	LARS		
74474	872	SAD	SAC	Salkehatchie River	s s		0	0	0	0.000	0000	0.000	0.000	0.000	0.000	0.000
376		NED	NED	Sasanoa River	MES		0	0	0	0.000	0000	0000	0000	0.000	0.000	0.000
21800	23	NED	NED	Scarboro River	ME S		0	0	0	0.000	0000	0.000	0.000	0.000	0.000	0.000
74621	816	816 SAD	SAW	Scuppernong River	NC S		0	0	0	0.000	0000	0.000	0.000	0.000	0.000	0.000
	1232	1232 NAD	NAB	Shad Landing State Park Marina	S QW		0	0	0	0.000	0000	0000	0000	0.000	0.000	0.000
87544		NAD	NAB	Shallow Creek	S		0	0	0	00000	0.000	00:00	0000	0.000	0000	0.000
72817	4665 NPD	NPD	MPP	Smith River	OR S		0	0	0	0.000	0000	0000	0000	0.000	0.000	0.000
378	123	NED	NED	Harbor	MES		0	0	0	0.000	0.000	0.000	0.000	0.000	0000	0.000
79710		SAD	SAJ	South Brunswick River	GA S	_	0	0	0	0.000	0000	0.000	0000	0.000	0.000	0.000
252	312	NED	NED	Southport Harbor	CT S	L	0	0	0	0.000	0000	0.000	0.000	0.000	00000	0.000
381	107	NED	NED	Southwest Harbor	S H	_	0	0	0	0.000	0000	0.000	0000	0000	0.000	0.000
		NCD	NCR	uincy	II.	_	0	0	0	00000	0000	0.000	0000	0.000	0.000	0.000
73732		NAD	NAN	St. Albans Harbor	S F		0	0	0	0.000	0000	0.000	0000	0000	0000	0.000
382	-	NED	NED	St. Croix River	MES		0	0	0	0.000	0000	0.000		0.000	0000	0.000
79130		NAD	NAB	St. Georges Creek	S OW		0	0	0	0.000	0.000	0.000	0000	0.000	0000	0.000
73860	242	NAD	NAP	St. Jones River	S 30		0	0	0	0.000	0000	0.000		0000	0.000	0.000
254	302	NED	NED	Stonington Harbor	CT S		0	0	0	0.000	0.000	0.000		0.000	0000	0.000
385		NED	NED	Sulivan Falls Harbor	ME S		0	0	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
104		LMD	LMN	Sulphur River	AR S	_	0	0	0	0.000	0.000	0.000		0.000	0000	0.000
74391	2130	SAD	SAJ	Suwannee River	FL S		0	0	0	0.000	0.000	0.000	0.000	0.000	0000	0.000
73733		NAD	NAN	Swanton Harbor	VT S	-	0	0	0	0.000	0.000	0.000		0.000	0000	0.000
74627	1255	SAD	SAW	Swift Creek	NC S		0	0	0	0.000	0000	0.000	0.000	0.000	0.000	0.000
74523		SAD	SAM	Tallapoosa Riv⊛r	AL S		0	0	0	0.000	0000	0.000	0000	0.000	0.000	0.000
	1336	NAD	NAO	Taskinas Creek	VA S		0	0	0	0.000	0.000	0.000		0.000	0000	0000
446	47	NED	OEN	Tauton River	MA S		0	0	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
201	2233 LMV	LMV	LMN	Tickfaw, Natalbany, P&B R.	LA S		0	0	0	0.000	0.000	0.000		0.000	0.000	0.000
87510		SAD	SAM	Tombigbee River at Columbus Port	MS S		0	0	0	0 0:000	0.000	0.000	0000	0.000	0.000	0.000
73894	288	288 NAD	NAP	Toms River	N. S		0	0	0	0000	0000	0.000		0.000	0000	0.000
21660	628	NAD	NAO	Totuskey Creek	VA S		0	0	0	0.000	0.000	0.000	0.000	0.000	0.000	0000
87453		NCD	NCB	Toussaint River, Carroll Township	s но		0	0	0	0.000	0000	0.000	0.000	0.000	0.000	0000
71175		2330 ORD	ORL	Tradewater River	KY S		0	0	0	0.000	0.000	0.000		0000	0000	0.000
73603	436	436 NAD	NAB	Tyaskin Creek	S QM		0	0	0	0 0:000	0000	0.000	0.000	0.000	0.000	0.000
387		NED	NED	Union Harbor, (Union River)	ME S		0	0	0	0.000	000'0	0.000		0.000	0.000	0.000
74543	2184	SAD	SAM	Upper Chipola River	FL S		0	0	0	0.000	0000	0.000	0.000	0.000	0.000	0.000
601	458	458 NAD	NAB	Upper Machodoc Creek	VA S		0	0	0	0.000	0.000	0000	0000	0.000	0.000	0.000
		NCD	NCS	Wabasha Harbor	NN		0	0	0	0.000	0.000	0.000	0.000	0.000	0000	0.000
87509		NAD	NAO	Wachapreague Channel, Accomack County	VA S		0	0	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

SHALLOW-DRAFT NAVIGATION PROJECTS:

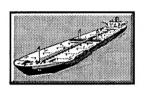
ACTUAL O&M EXPENDITURES(1990-1994); WATERBORNE COMMERCE(1992-1994);AND AVERGAGE O&M COSTS (1977-1994), AVERAGE TONNAGES (1992-1994) AND O&M COSTS PER TON (TOTAL 733)

									*	AVERAGE	AVERAGE COST	AVG O&M					
										TORS	(1894.5)	1977-1894	90 O&M	91 O&M	S2 OAM	93 048	94 O&M
PWG	XXXX	X DIX	DKS	PROJECT NAME	SI. I	TYPE 92 TONS	SHOTES	MS MIDMS		1992-1994	PER TONS	(1894.\$)		LLONG'S DOLLARS	LARS		
59250	2	NAD	NAN	Wappinger Creek	ΝΥ	3	9	0	6	6	0000	0000	0000	0000	0000	0000	0000
572		SO NED	RED	Warren River	RIS		0	0	0	0	0.000	0000	0.00		0000	0.000	0.000
19480		81 NED	Q <u>N</u>	Warwick Cove	RIS		0	0	0	0	0000	0000	0.00	0000	0000	0.000	0.000
73671		386 NAD	NAN	Washington Canal and South River	N.J.		0	0	0	0	0000	0000	0.00	0.000	0000	0.000	0.000
74477	\Box	874 SAD	SAC	Wateree River	SCS		0	0	0	0	0000	0.000	0000	0.000	0000	0.000	0000
73636		376 NAD	NAN	Waycake Creek	N.		0	0	0	0	0.000	0000	0.000	0.000	0.000	0000	0.000
87102	8	OM	NPS	Westhaven Cove Small Boat Basin	WA S		0	0	0	0	0.000	0.000	0.000		0000	0.000	0.000
257		313 NED	SE SE	Westport Harbor & Saugatuck River	CT S		0	0	0	0	0000	0000	0.00		0000	0.000	0.000
87632	2	O.	ddN	Westport-Puget Sound	WA S		0	0	0	0	0.000	0000	0.00	0.000	0000	0000	0.000
573		197 NED	Q.	Wickford Harbor	S S		0	0	0	0	0.000	0000	0000	0000	0000	0.000	0000
76063	22	SPD	NAS	Wilmington Harbor	DE S	_	0	0	0	0	0000	0000	0000	0000	0000	0.000	0.000
79090	9	Q.	<u>Q</u>	Winnipesaukee Lake	NH		0	0	0	0	0000	0000	0.000	0.000	0000	0.000	0.000
20110	0 1047	17 NED	SE PE	Winter Harbor	S WE		0	0	0	0	0.000	0.000	0.000	0.000	0000	0000	0000
456		151 NED	ê.	Winthrop Harbor	MAS		0	0	0	0	0000	0000	0000	0000	0000	0000	0000
19850		1329 NAD	NAO	Wishart Point Channel	VAS		0	0	0	0	0000	0000	0.000	0000	0000	0.00	0.00
73672		389 NAD	NAN	Woodbridge Creek	N.J		0	0	0	0	000:0	0000	0000	0000	0000	0000	0.000
73896		260 NAD	NAP	Woodbury Creek	S.		٥	0	0	0	0000	0.000	0.000	0000	0000	0000	0000
4	497	£	LMK	Yalobusha River	NS S		0	0	0	0	0.000	0.000	0.000	0.000	0000	0000	0.000
392		27 NED	G.	York Harbor	MES		0	0	0	0	0.000	0.000	0000	0.000	0000	0.000	0.000
4	485	QQ QQ	NCS	Zippel Bay	S NW		0	0	0	0	0000	0000	0000	0.000	0000	0.000	0.000
TOTALS		_					116851584.00 125053443.00	3.00 128248900.00	00:00	123384642	0.465 5	0.465 57,411.441	55,776,150 62,024,770				68.632.960
NOTES	₹ (E) ;;	aterbo	orne Cc	NOTES: (1) Waterborne Commerce Data from the USACE Waterb	Wat	arhorno Cor	nmorce	orna Commerce Statistics Contor		Now Orloans	<u>-</u>	1			1	7	

NOTES: (1) Waterborne Commerce Data from the USACE Waterborne Commerce Statistics Center, New Orleans, LA

(2) O&M Expenditures from the Corps Navigation Cost Recovery Database Sytem reports, USACE, Institute for Water Resources (3) For projects with zero tonnage, the tonnage was set to <u>one</u> for the purpose of computing the average O&M cost per ton. (4) For projects with zero average O&M (77-94), the O&M was set to <u>one</u> for the purpose of computing the average O&M cost per ton.

TYPE S= Shallow Draft Project WTWY = Waterway Code PWI = Project Work Item



Navigation Operation and Maintenance: Expenditures for Harbors and Waterways Fiscal Year 1996

APPENDIX K - Shallow Draft Navigation Projects

Subject to the Inland Waterway Fuel Tax,
Analysis by Segment, O&M Expenditures,
Average Ton-Miles per year, and Annual
O&M Cost per Ton-Mile

SHALLOW DRAFT NAVIGATION PROJECTS SUBJECT TO INLAND WATERWAY FUEL TAX, ANALYSIS BY SEGMENT, O&M EXPENDITURES, AVERAGE TON-MILES PER YEAR, AND ANNUAL O&M COST PER YEAR

	OPERATION	TON-MILES	TON-MILES PER MILE	O&M COST	PERCENT OF	PERCENT OF PERCENT OF	O&M COST SHARE	O&M COST PER
SEGMENT	(MILES)	(000)	WATERWAY (000)	(000)	TON-MILES	O&M COST	TON-MILE SHARE	TON-MILE
Alabama-Coosa	314	149,604	476	7,372.90	90.0	1.74	29.000	4.928
Allegheny	72	50,475	701	7,975.50	0.02	1.88	94.000	15.801
Apalachicola-Chattahoochee-Flint	291	66,024	227	8,427.14	0.03	1.99	66.333	12.764
Arkansas	448	1,814,784	4,051	25,558.22	69.0	6.04	8.754	1.408
Atchafalaya-Old	121	587,550	4,856	1,507.42	0.22	0.36	1.636	0.257
Atlantic Intracoastal (AIWW)	1192	356,604	299	17,705.40	0.14	4.18	29.857	4.965
Black Warrior-Tombigbee	453	5,876,988	12,973	13,367.28	2.23	3.16	1.417	0.227
Columbia-Snake	276	1,387,730	5,028	7,768.86	0.53	1.84	3.472	0.560
Cumberland	314	1,342,155	4,274	7,901.68	0.51	1.87	3.667	0.589
Green-Barren	108	525,543	4,866	1,320.93	0.2	0.31	1.550	0.251
Gulf Intracoastal (GIWW)	1134	21,353,637	18,830	32,773.44	8.1	7.75	296.0	0.153
Illinois	349	9,024,253	25,857	16,431.54	3.42	3.88	1.135	0.182
Kanawha	91	1,537,022	16,890	8,447.72	0.58	2.00	3.448	0.550
Kaskaskia	36	55,587	1,544	1,719.62	0.02	0.41	20.500	3.094
Kentucky	82	17,118	500	2,162.43	10.01	0.51	21.000	12.632
Lower Mississippi	720	116,392,506	161,656	58,895.55	44.13	13.92	0.315	0.051
Middle Mississippi	195	18,594,214	95,355	11,765.14	7.05	2.78	0.394	0.063
Missouri	735	639,329	870	6,027.98	0.24	1.42	21612	0.943
Monongahela	129	1,441,407	11,174	12,886.99	0.55	3.05	5.545	0.894
Ohio	981	58,465,957	965'65	45,391.90	22.17	10.73	0.484	0.078
Ouachita-Black	351	127,259	363	4,426.78	0.05	1.05	21.000	3.479
Pearl (West Pearl)	28	7	0	625.84	0	0.15	0	8692.222
Red	236	368,405	195'1	5,497.62	0.14	1.30	9.286	1.492
Tennessee	652	6,876,376	10,547	11,406.32	2.61	2.70	1.034	0.166
Tennessee-Tombigbee	234	984,071	4,205	15,740.24	28.0	3.72	10.054	1.600
Upper Mississippi	693	15,641,025	23,591	87,238.70	2:93	20.62	3.477	0.558
White	244	82,616	339	1,996.09	60.0	0.47	15.667	2.416
Willamette	56	8,587		774.59	0			9.021
Total	10101	200 000	207 20	00 077 007				VVFV

Source: Traffic and Cost Relatinships of the Inland Waterway System, draft paper by Dr. Larkin Warner and Jack Lane, U.S. Army Corp of Engineers, Institute for Water Resources, July 1996

REPORT D	OCUMENTATION PAGE		Form Approved
		including the time for revie	OMB No. 0704-0188
gathering and maintaining the data needed, a aspect of this collection of information, includin Reports, 1215 Jefferson Davis Highway, Suite Washington, DC 20503.	and completing and reviewing the collection on suggestions for reducing this burden, to be 1204 Arlington, VA 22202-4302, and to the	of information. Send comm Washington headquarters S e Office of Management and	wing instructions, searching existing data sources, ents regarding this burden estimate and any other ervice, Directorate for Information Operations and Budget, Paperwork Reduction Project (0704-0188),
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6. аитноя(s) Robert Pietrowsky, Margaru	iette Olson, Jack Lane		
7. PERFORMING ORGANIZATION NAME((S) AND ADDRESS(ES)		8. PERFORMING ORGANIZATION REPORT NUMBER
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maintenance (Ô&M) of U.S. using the Corps Navigation (operation and maintenance eother and joint purposes for	Cost Recovery Database Sy expenditures dating from Fis all projects with navigation	navigation project stem (NCRDBS). scal Year FY 1977 as an authorized p	s. These costs were developed The NCRDBS contains for commercial navigation,
Harbor Maintenance Tax (Hand shallow draft projects no	MT); shallow draft harbor pot subject to the fuel tax. No	projects subject to avigation O&M co	the Inland Waterway Fuel Tax; osts for deep draft projects and arbor Maintenance Trust Fund
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